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STATISTICAL DIGEST NO. 63

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STATISTICAL DIGEST 63

FISHERY STATISTICS OF THE UNITED STATES 1969

Prepared by
STATISTICS AND MARKET NEWS DIVISION
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PREFACE

This report contains a review of the fishery statistics for the year 1969 collected in cooperation with the various States by the Statistics and Market News Division. These statistics include data on the volume and value of the landings of fishery products, employment in the fisheries, quantity of gear operated, number of fishing craft employed in the capture of fishery products, information on the volume and value of the production of processed fishery products, data on cold storage freezings and holdings, and on foreign trade in fishery commodities.

Data on employment of fishermen, fishing craft and gear in the fisheries, and on the landings of fish, shellfish, etc., are shown for States having commercial fisheries. There is also information on the pack of canned tuna and industrial products for Puerto Rico and American Samoa included in the processed products tables. In Section 11, Puerto Rico landing data are also shown.

In all of the landings tables in this report, except the one on page 39 entitled, "U.S. Landings, 1969 - Live Weight Basis," the volume of fish, crustaceans, and such mollusks as squid is shown in round (live) weight. However, the weights shown for univalve and bivalve mollusks (conchs, clams, oysters, scallops, etc.,) represent the weights of meats, excluding the shell. The weight of shells omitted from the catch in 1969 amounted to about 1.2 billion pounds. It should be noted, however, that the table on page 40 "World Landings of Fish, Crustaceans, Mollusks, etc., by Countries" is shown on a live weight basis.

In assembling the data on the fisheries, all appropriate records collected by the various State fishery agencies were used. In certain areas, information complete enough to be used by the statistical agents was available from State agencies, and in these States, only partial surveys were conducted. Information on the means of collecting the data and an explanation of terms used may be found in Section 13 of this publication.

Complete statistical surveys covering the fisheries of the United States were conducted in all areas for 1969. The first complete survey of the fisheries of the United States was made by the Bureau of the Census for 1908. Others were made by the Bureau of Fisheries and the Fish and Wildlife Service for the years 1931, 1950, and for the years 1954 to 1960 and for each year since 1962.

In October 1970, the President of the United States under his reorganization Plan #4 established a single agency for most Federal civilian programs on weather and the oceans. The new agency, called the National Oceanic and Atmospheric Administration (NOAA), was placed in the U.S. Department of Commerce. A total of 23 organizations was brought together under NOAA, including the Bureau of Commercial Fisheries (BCF) and the Marine Game Fish Research Program. These activities were transferred from the Department of the Interior, and, in NOAA, were combined and renamed the National Marine Fisheries Service (NMFS). In this report, references that follow are to the BCF rather than to the NMFS.

FISHERY STATISTICS OF THE UNITED STATES, 1969

Statistics and Market News Division

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SECTION 1 - GENERAL REVIEW

The commercial fisheries of the United States yielded a catch of 4.3 billion pounds worth a record $526.5 million--a gain of 177.1 million pounds and $29.3 million compared with 1968. The catch was the best since 1966. There were record landings of Gulf menhaden, Pacific anchovies, yellowfin tuna, striped bass, shrimp, northern and spiny lobsters, snow crabs, and surf clam meats; and marked increases in the catches of Atlantic cod, Pacific halibut, and blue crabs. Landings of Atlantic flounders, mullet, pollock, Pacific sea herring, and soft clam meats also increased compared with 1968. Declines occurred, however, in landings of haddock, Atlantic sea herring, Atlantic ocean perch, jack mackerel, salmon, scup, whiting, Dungeness and king crabs, oyster meats, sea scallop meats, and otter-trawl-caught fish used for industrial purposes. Fishermen received record values in 1969 for catfish and bullheads, red snapper, Atlantic cod, striped bass, groupers, Dungeness and snow crabs, northern and spiny lobsters, shrimp, clam meats, and bay scallop meats.

Fishermen took 812.8 million pounds of shellfish worth $274.9 million, an average of nearly 34 cents per pound--about the same as in 1968. Shellfish accounted for 52 percent of the value but only 19 percent of the volume of the U.S. landings. The value of shellfish exceeded the value of finfish in the New England, Middle Atlantic, Chesapeake, South Atlantic, and Gulf States.

Disposition of catch. In 1969, as in the previous year, landings for human food (2.3 billion pounds) exceeded the quantity taken for industrial products (2.0 billion pounds). BCF statisticians estimate that the 1969 catch was used as follows: 2,321 million pounds (round weight) for human food--of which 1,411 million were used fresh and frozen, 842 million were canned, and 68 million were cured; and 2,016 million pounds for industrial purposes--of which 109 million were used fresh and frozen, 151 million were canned, and 1,756 million were reduced into meal, oil, and solubles. In addition to the latter items, the quantity processed into industrial products includes fish used for bait, fed to fur bearing animals and pets; and manufactured into such items as shell buttons, and pearl essence and novelties.

Per capita consumption. The per capita consumption of commercially caught fish and shellfish in the United States was 11.1 pounds (edible weight)--compared with 11.0 in 1968.

Per capita consumption of commercially caught
fish and shellfish, 1961-69

(Edible weight)

Year	Pounds	Year	Pounds
1961	10.7	1965	10.9
1962	10.6	1966	10.8
1963	10.6	1967	10.8
1964	10.5	1968	11.0
		1969	11.1

Principal States. Louisiana again led the Nation in volume of landings with 1.0 billion pounds--23 percent of the U.S. catch. California was next with 578.6 million pounds, followed by Alaska, 386.1 million; Mississippi, 310.0 million; Massachusetts, 281.7 million; and Virginia, 279.3 million pounds. These six States had 66 percent of the U.S. landings.

GENERAL REVIEW

Alaska led all States in exvessel value of landings with $70.4 million--13 percent of the value of the Nation's catch. California was next with $62.8 million, followed by Louisiana, $56.2 million; Texas, $47.5 million; Massachusetts, $42.3 million; and Florida, $41.6 million. These six States accounted for 61 percent of the exvessel value of landings.

Principal ports. San Pedro, Calif., led all ports in volume of landings with 397.8 million pounds. Cameron, La., was next with 323.9 million pounds, followed by Pascagoula, Miss., 256.0 million; Dulac-Chauvin, La., 185.3 million; and Kodiak, Alaska, 140.3 million pounds. Boston, Mass., continuing the downward trend of recent years was 14th in volume of landings. In 1932, it was the Nation's leading port.

Processed products. The production of processed fishery products (canned, packaged fresh and frozen, cured, and industrial) in the United States, American Samoa, and Puerto Rico was worth a record $1.5 million in 1969--7 percent more than in 1968, the former record year. Packaged fresh and frozen products were 51 percent of the total value; canned, 39 percent; industrial, 6 percent; and cured, 4 percent. The Pacific Coast States led with products valued at $445.6 million; followed by the Gulf States, $309.6 million; New England, $225.9 million; and Middle Atlantic, $131.5 million. In 1969, the 3,898 wholesaling and processing establishments had 88,377 employees.

Menhaden. The production of 1,546 million pounds of menhaden was 170.4 million (12 percent) greater than in 1968, and the best catch since 1965. Record landings of 1,155 million pounds in the Gulf States were the principal reason for the improved catch. Landings declined substantially in the Middle Atlantic, Chesapeake, and South Atlantic States compared with 1968. The total harvest taken from the Atlantic Ocean was the smallest in two decades. Beginning in 1963, menhaden landings along the Atlantic Coast have trended downward--in sharp contrast to former years when landings there were two to three times greater than the annual production in the Gulf of Mexico.

The increase in the menhaden fishery was reflected in the production of 159,500 tons of menhaden meal--compared with 143,200 tons in 1968. However, the menhaden oil production in 1969 (149.2 million pounds) was 2 percent less than in 1968 because the fish were small and the yield of oil was low.

Tuna. Landings by the U.S. fleet at ports in continental United States and Hawaii were 324.9 million pounds worth $54.9 million--an increase of 31.0 million pounds and $7.4 million compared with 1968. Yellowfin tuna landings of 206.1 million pounds increased 34 percent, and their value (33.4 million) increased 39 percent--accounting largely for the gain in total catch and value of tuna. Landings of bluefin tuna increased slightly also, but catches of albacore and skipjack tuna declined sharply.

The pack of canned tuna was a record 20.1 million cases worth a record $297.5 million--a gain of nearly 1 percent in volume and 11 percent in value compared with 1968. Canned tuna available for consumption in 1969 (U.S. pack from domestic catch plus U.S. pack from imported tuna and imported canned) was a record 469.2 million pounds. About 38 percent of the U.S. supply was packed from the domestic catch--slightly more than in 1968.

Per capita consumption of canned tuna, which was 1.9 pounds in 1959, reached 2.4 pounds in 1969.

Shrimp. Landings of 318.5 million pounds of shrimp (heads-on) worth $124.5 million set both volume and value records. Compared with 1968, the catch increased 19.2 million pounds (6 percent) and the value increased $9.6 million (8 percent).

The gain in volume occurred principally in the New England States where record landings of 28.3 million pounds (chiefly in Maine) were 13.7 million more than in 1968. Catches of a record 62.5 million pounds along the Pacific Coast (primarily in Alaska) and of 27.3 million pounds in the South Atlantic States also increased significantly compared with 1968. In the Gulf States, however, the harvest of 200.4 million pounds was 3.6 million less than in the previous year. The Gulf States accounted for 63 percent of the U.S. production.

The gain in value was most marked in the Gulf States where the shrimp catch was valued at a record $101.1 million--$5.2 million more than in 1968. In the South Atlantic States the value was a record $16.2 million--an increase of $2.2 million compared with 1968. In both the Gulf and South Atlantic areas exvessel prices trended upward. An excellent market for shrimp resulted in fishermen receiving peak prices all year. In New England, the value increased from $1.6 million in 1968 to a record $3.5 in 1969. The value of shrimp on the Pacific Coast ($3.7 million) increased slightly compared with 1968.

Salmon. Landings of 269.0 million pounds worth $63.0 million declined 18 percent in volume and 6 percent in value compared with 1968. The principal reason for the decline was a decrease in the Alaska catch of 219.1 million pounds worth $42.4 million--66.1 million pounds and $7.0 million less than in 1968. All species in Alaska except red salmon declined in both volume and value in 1969. In both Washington and Oregon the salmon catch increased slightly compared with the previous year.

The pack of canned salmon was 2,550,921 standard cases worth $90.3 million--a decline of 26 percent in volume and 23 percent in value compared with 1968. Alaska accounted for 90 percent of the quantity and 86 percent of the value of the pack of canned salmon.

Crabs. Landings of crabs, all species, were 257.3 million pounds worth $43.1 million--a gain of 2.8 million pounds but a decline of $1.3 million compared with 1968. Landings of hard blue crabs of 132.3 million pounds were 18.6 million more than in 1968. Catches improved in all areas. Compared with 1968, landings of soft blue crabs (4.5 million pounds) were better in all areas except the Gulf States. In Alaska, fishermen took a record 11.2 million pounds of snow crabs--8.0 million more than in the previous year. The improved catches of blue crabs and snow crabs accounted for the greater production and somewhat offset the sharp decline in the king crab fishery. In 1969, king crab landings were 57.7 million pounds--compared with 82.0 million in 1968. The value of the king crab fishery ($15.6 million) was $6.2 million less than in 1968 and the principal reason for the decline in the value of crab landings. The harvest of Dungeness crabs was 48.1 million pounds--second only to the record 50.0 million taken in 1968. The value of the Dungeness crab catch was a record $11.0 million--a gain of $1.8 million compared with 1968. The average price per pound received by fishermen increased in all of the Pacific Coast States.

Groundfish. Landings along the Atlantic Coast of six groundfish species (cod, cusk, haddock, white hake, pollock, and ocean perch) were 172.3 million pounds worth $15.7 million. Compared with 1968, the volume declined 10 percent but the value remained about the same as in the previous year. Catches of haddock and ocean perch declined sharply. The haddock production of 45.8 million pounds was 24.8 million less than in 1968 and the smallest catch since the turn of the century. Haddock have not had a successful year-class since 1963, when the year-class was one of the largest on record. The fishery has become smaller each year since 1963. Large haddock was 70 percent of the landings in 1969--compared with 55 percent in 1968. Landings of 55.8 million pounds of ocean perch were 5.5 million less than in 1968--continuing the downward trend that began in 1961. The catch was the smallest since 1935. Maine ports, principally Rockland, dominated the ocean perch fishery with 91 percent of the landings.

Landings of cusk declined slightly, but cod, white hake, and pollock increased compared with 1968. Cod landings of 57.5 million pounds worth $4.8 million were 8.3 million pounds and $1.4 million more than in 1968. Processors found that small cod could be used as an acceptable substitute for haddock. Small amounts of cod were also processed into frozen blocks. Pollock landings of 9.1 million pounds worth $513,000 increased 29 percent in volume and 28 percent in value compared with 1968. The greater harvest resulted largely from BCF efforts to develop the pollock fishery and to enlarge the market for pollock. As a result, the market for pollock (particularly fresh fillets) was expanded to many new areas in the Northeast.

Flounders. The catch was 162.3 million pounds worth $19.9 million--a gain of 3.8 million pounds and $2.5 million compared with 1968. Flounder landings on the Pacific Coast (47.2 million pounds) were 2.7 million more than in 1968. The catch of Atlantic and Gulf flounders (115.1 million pounds) increased 1.1 million compared with 1968. Most of the increase came from landings of blackback flounders which were 23.1 million pounds--3.5 million greater than in 1968. Landings of yellowtail flounders (69.9 million pounds) were about the same as in the previous year. The substantial catches of blackback and yellowtail flounders somewhat offset a marked decrease in the fluke harvest. Before 1961, the fishery for fluke often caught 20 million pounds a year, but since that time the catch has trended sharply downward. In 1969, the catch of fluke was 3.9 million pounds.

Anchovies. Landings of anchovies (used principally for meal and oil) in California were a record 135.3 million pounds--104.2 million more than in 1968, and 49.4 million pounds more than in 1953, the former record year. The greater harvest resulted from increased fishing effort. The California Fish and Game Commission approved a quota of 75,000 short tons--the same as in the previous four seasons.

Sea herring. The catch of sea herring was 90.8 million pounds worth $1.8 million--15 percent less in volume and 23 percent less in value than in 1968. The Atlantic catch (69.1 million pounds) declined 25 percent, but the Pacific catch (21.7 million) increased 45 percent compared with 1968. In Alaska, where the catch is used for reduction to fish meal or for bait, landings of 13.1 million pounds were somewhat better than the 8.1 million taken in 1968--the smallest catch since 1899.

Imports of fresh Canadian sea herring, which are used principally for canning and reduction in Maine, were 94.5 million pounds--71.3 million less than in 1968. The Maine pack of sardines (1,042,800 standard cases) canned from sea herring declined 40 percent in both volume and value compared with 1968.

Alewives. The alewife harvest was much the same as in 1968. Landings were 87.3 million pounds--compared with 84.6 million in the previous year. The most significant increase was in the South Atlantic States where the catch of 21.7 million pounds was 18 percent more than in 1968. Landings of 29.2 million pounds in the Great Lakes area (taken entirely in Lake Michigan) increased 8 percent and small landings in the Gulf States were also somewhat greater than in 1968. The catch declined, however, in the New England, Middle Atlantic, and Chesapeake States.

Clams. Record landings of 80.7 million pounds of clam meats worth a record $25.2 million were 13.5 million pounds and $4.5 million greater than in 1968. The catch increased in all areas, but the principal gain was in the harvest of surf clam meats in the Middle Atlantic and Chesapeake States. Landings of surf clams in the Middle Atlantic States were 42.2 million pounds--7.0 million more than in 1968. The Chesapeake States had a record catch of 7.3 million pounds of surf clam meats--compared with 5.3 million in 1968. The harvest of soft clam meats (13.5 million pounds) increased 3.1 million compared with 1968. The gain was principally in the New England and Chesapeake States.

GENERAL REVIEW

Halibut. Landings by the combined United States and Canadian halibut fleets were 58.6 million pounds (dressed weight)--9.7 million more than in 1968, and the best harvest since 1966. For the second consecutive year, Canadian fishermen landed more halibut (57 percent of the catch) than United States fishermen. In 1969, for the first time in 3 years, fishermen met the quotas set by the International Halibut Commission.

The exvessel prices paid to fishermen increased sharply compared with 1968. Factors favorable to the halibut market were the low cold storage inventories on hand at the beginning of the year (caused by the unusually small landings of 1968) and a ruling by the U.S. Food and Drug Administration prohibiting use of the market name "Greenland halibut" for the species Reinhardtius, also known as Greenland turbot.

Whiting. Landings of 45.3 million pounds worth $2.6 million were 33.8 million pounds and $146,000 less than in 1968. The catch declined in all areas but most significantly in New England waters where the harvest of 39.3 million pounds decreased 45 percent compared with 1968. Maine landings of 17.9 million pounds declined sharply compared with the near-record catch of 28.9 million pounds taken in 1968. At least part of the decline in the whiting fishery was attributed to overfishing by foreign vessels.

Lobsters. The catch of northern lobsters was a record 33.8 million pounds worth a record $29.0 million--a gain of 1.2 million pounds and $3.5 million compared with 1968. The peak production resulted from record landings in the New England States (30.7 million pounds), Middle Atlantic States (2.9 million), and Chesapeake States (207,000 pounds). A small catch was taken in the South Atlantic States for the third consecutive year. Lobster fishermen in all four areas received record values for their catches in 1969. The average price per pound increased from 78 cents in 1968 to 86 cents in 1969. The United States domestic catch of northern lobsters plus imports from Canada increased from 49.3 million pounds in 1968 to 51.2 million in 1969--the best available supply since 1964.

Landings of spiny lobsters were a record 8.8 million pounds worth a record $6.3 million--an increase of 1.3 million pounds and $940,000 compared with 1968. Record catches in the South Atlantic States (3.8 million pounds) and the Gulf States (4.7 million) accounted largely for the greater harvest. The California catch, however, was the smallest since 1960. During the closed season in Florida, several vessels fishing off the Bahama Islands landed their catches at Georgia ports.

Oysters. Landings of 52.2 million pounds of oyster meats worth $27.5 million were 9.7 million pounds and $4.5 million less than in 1968. The catch declined in all areas, but the principal decrease was in the Gulf States where the harvest was 19.8 million pounds--compared with 26.7 million in 1968.

Sea scallops. The harvest of 9.3 million pounds of sea scallop meats worth $9.7 million was 4.5 million pounds and $5.3 million less than in 1968. The catch declined in all areas along the Atlantic Coast. In Pacific waters, the Alaska catch (1.9 million pounds) increased 10 percent compared with 1968, but fishermen reported that only limited stocks of the shellfish remained in the southeastern region. When the Alaska commercial fishery for sea scallops began in 1967, prospects seemed excellent that it would develop into a major industry.

Imports of 14.3 million pounds (principally from Canada) were 2 percent less than in 1968. They supplied 61 percent of the total quantity of sea scallops available in the United States (23.6 million pounds)--compared with 51 percent in the previous year.

Whales. In accordance with a recommendation that the International Whaling Commission made to member countries, the United States established a quota on the catch of fin and sei whales in 1969. The quota was set at 44 fin whales and 60 sei whales. The Commission made the recommendation at the request of whaling biologists whose investigations indicated that the species were in danger of extinction. Only one whaling station, located in California, was active in 1969. The catch numbered 183 whales--19 less than in 1968. There were 31 fin, 10 sei, 68 sperm, and 74 gray whales taken in 1969. Capture of 34 of the sperm whales and all of the gray whales was authorized by special scientific permit.

Fishery imports. Fishery products imported for consumption were worth a record $844.3 million and exports were a record $104.5 million--a gain of $21.6 million in imports and $36.8 million in exports compared with 1968. Imports of edible fishery products were 1.7 billion pounds worth $704.8 million--2 percent less in volume but 10 percent more in value than in 1968. The volume decline was caused principally by smaller receipts of fresh or frozen trout, whitefish, salmon (except fillets and steaks), and tuna loins and discs; canned salmon, sardines, crab meat, and shrimp; pickled or salted sea herring, mackerel, and salmon; and smoked or kippered products. The following items were imported in greater volume than in 1968: fresh or frozen albacore and skipjack tuna, halibut, mackerel, fillets and steaks (including groundfish and other than groundfish), crab meat, northern and spiny lobsters, and shrimp; canned clams, oysters and oyster juice, and albacore tuna in brine. Record shrimp receipts of 193.7 million pounds worth $174.9 million (including fresh or frozen, canned, and cured) entered U.S. ports in 1969. Shrimp was the major item imported with respect to value--accounting for 25 percent of the value of imported edible items.

Imports of nonedible fishery products were worth $139.5 million--$40.0 million less than in 1968. The principal loss was in imports of fish meal and scrap.

U.S. supply. The total quantity of fishery products available in the United States (domestic catch plus imports) on a round-weight basis declined from a record 17.4 billion pounds in 1968 to 11.8 billion in 1969, principally because of smaller imports of fish meal. The U.S. catch was 4.3 billion pounds--compared with 4.2 billion in 1968. Imports of 7.5 billion pounds accounted for 63 percent of the total--compared with 76 percent in 1968 and 71 percent in 1967. The quantity of edible fishery products available was 5.7 billion pounds--imports accounted for 59 percent of this amount.

World landings. World landings of fish, crustaceans, mollusks, and other aquatic organisms were 139.1 billion pounds (live weight)--slightly less than in 1968. Peru, for the eighth consecutive year, led all nations in volume of fishery landings, followed by Japan, Soviet Russia, China Mainland), and the United States. In 1969, the United States returned to fifth place--replacing Norway which had been fifth since 1966.

Other information. Summaries of landings statistics for certain States have been published previously in the Current Fishery Statistics Series of bulletins. A preliminary review titled "Fisheries of the United States," available each April, contains current information on many aspects of the fisheries such as domestic and world landings, per capita consumption, price indexes, foreign trade, and supplies, together with comparative data for the previous year. "Fisheries of the United States" is for sale by the Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

LANDINGS OF FISH AND SHELLFISH, 1945-69

(ROUND WEIGHT BASIS)

YEAR	LANDINGS FOR HUMAN FOOD	LANDINGS FOR INDUSTRIAL PRODUCTS 1/	TOTAL		AVERAGE PRICE PER POUND
	MILLION POUNDS	MILLION POUNDS	MILLION POUNDS	MILLION DOLLARS	CENTS
1945.	3,167	1,431	4,598	270	5.87
1946.	3,049	1,418	4,467	313	7.01
1947.	3,020	1,329	4,349	312	7.16
1948.	3,146	1,367	4,513	371	8.22
1949.	3,305	1,499	4,804	343	7.13
1950.	3,307	1,594	4,901	347	7.09
1951.	3,048	1,385	4,433	365	8.23
1952.	2,778	1,654	4,432	364	8.20
1953.	2,519	1,968	4,487	356	7.94
1954.	2,705	2,057	4,762	359	7.55
1955.	2,579	2,230	4,809	339	7.05
1956.	2,690	2,578	5,268	372	7.06
1957.	2,475	2,314	4,789	354	7.39
1958.	2,651	2,096	4,747	373	7.86
1959.	2,369	2,753	5,122	346	6.76
1960.	2,498	2,444	4,942	354	7.15
1961.	2,490	2,697	5,187	362	6.98
1962.	2,540	2,814	5,354	396	7.40
1963.	2,556	2,291	4,847	377	7.78
1964.	2,497	2,044	4,541	389	8.57
1965.	2,587	2,190	4,777	446	9.34
1966.	2,572	1,794	4,366	472	10.81
1967.	2,368	1,687	4,055	440	10.85
1968.	2,346	1,814	4,160	497	11.95
1969.	2,321	2,016	4,337	527	12.15

1/ MANUFACTURED INTO MEAL, OIL, FISH SOLUBLES, HOMOGENIZED CONDENSED FISH, SHELL PRODUCTS, AND USED AS BAIT AND ANIMAL FOOD.

NOTE:--DOES NOT INCLUDE DATA ON THE HAWAII LANDINGS PRIOR TO 1948.

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

REGION	FISH		SHELLFISH, ETC.		WHALE PRODUCTS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND	483	36	85	44	-	-	568	81
MIDDLE ATLANTIC	77	5	61	22	-	-	138	26
CHESAPEAKE.	251	8	103	28	-	-	354	36
SOUTH ATLANTIC.	243	12	76	25	-	-	319	36
GULF.	1,351	35	263	119	-	-	1,615	152
PACIFIC	980	139	211	38	5	1	1,196	177
GREAT LAKES	69	6	-	-	-	-	69	6
MISSISSIPPI RIVER AND TRIBUTARIES.	57	7	12	2	-	-	69	9
HAWAII.	9	3	1/	1/	-	-	9	3
TOTAL	3,919	251	413	265	5	1	4,337	517

1/ LESS THAN 500,000 POUNDS OR $500,000.

NOTE:--TABLE MAY NOT ADD DUE TO ROUNDING.

SUMMARY OF OPERATING UNITS, 1969

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	3,537	2,129	4,066	3,339	13,163
ON BOATS AND SHORE. . . .	16,412	6,375	13,078	6,025	11,955
TOTAL	19,949	8,504	17,144	9,364	25,118
VESSELS:					
MOTOR	695	498	1,476	1,186	4,320
GROSS TONNAGE	48,655	25,343	27,176	52,833	236,197
SAIL.	-	-	43	-	-
GROSS TONNAGE	-	-	511	-	-
TOTAL VESSELS	695	498	1,519	1,186	4,320
TOTAL GROSS TONNAGE .	48,655	25,343	27,687	52,833	236,197
BOATS:					
MOTOR	10,549	3,650	9,936	5,199	10,205
OTHER	251	225	622	214	235
GEAR:					
HAUL SEINES	24	47	226	149	122
STOP NETS AND SEINES. . .	55	-	-	-	-
PURSE SEINES AND LAMPARA NETS:					
HERRING	31	-	-	-	4
MACKEREL AND SARDINE. .	2	-	-	-	-
MENHADEN.	-	20	27	44	76
TUNA.	3	-	-	-	-
OTHER	-	-	-	5	7
BAG NETS.	9	-	-	100	-
BUTTERFLY NETS.	-	-	-	-	807
OTTER TRAWLS:					
CRAB.	-	-	-	386	-
FISH.	590	248	87	127	82
LOBSTER	65	64	7	2	-
SCALLOP	-	-	-	-	2
SHRIMP.	386	-	-	2,565	11,107
WEIRS	68	5	-	-	-
POUND NETS.	21	92	3,245	849	-
FLOATING TRAPS.	38	-	-	-	-
FYKE AND HOOP NETS. . . .	3	80	526	141	18,850
POTS AND TRAPS:					
CONCH	2,240	525	-	-	-
CRAB.	520	4,438	229,995	72,315	165,001
CRAWFISH.	-	-	-	-	19,810
EEL	942	2,167	20,581	383	40
FISH.	-	7,080	14,638	17,584	2,800
LOBSTER	1,012,022	49,785	-	68,500	96,955
TURTLE.	-	145	312	-	-
BOX TRAPS	6	-	-	-	-
GILL NETS:					
ANCHOR, SET OR STAKE. .	27	175	2,674	2,337	423
DRIFT	176	69	1,059	374	5
RUNAROUND	-	49	-	325	976

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
TRAMMEL NETS	-	-	-	35	639
HOOKS AND BAITS	421,741	50,960	1,051,671	991,211	1,089,899
DIP NETS	203	-	192	178	8,876
CAST NETS	-	-	-	5	14
HARPOONS	39	2	-	-	-
SPEARS	45	41	-	90	171
SCRAPES	-	-	348	-	-
DREDGES:					
CLAM	56	138	299	13	1
CONCH	-	7	-	-	-
CRAB	-	12	300	-	-
MUSSEL	6	-	-	-	-
OYSTER	18	67	415	155	1,161
SCALLOP	2,831	676	82	226	142
OTHER	-	-	2	4	2
TONGS AND OYSTER GRABS	761	2,544	7,275	486	2,024
RAKES	1,632	2,865	58	241	-
HOES	4,230	42	-	-	-
FORKS	45	-	-	-	-
BUSH TRAPS	-	-	-	-	38,300
GRABS, FROG	-	-	-	-	70
HOOKS:					
SPONGE	-	-	-	33	49
OTHER	-	4	11	2	-
DIVING OUTFITS	70	-	-	-	11

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	17,759	586	-	315	42,740
ON BOATS AND SHORE	22,268	1,091	11,481	1,023	89,708
TOTAL	40,027	1,677	11,481	1,338	132,448
VESSELS:					
MOTOR	5,144	269	-	61	13,144
GROSS TONNAGE	178,520	5,364	-	1,923	12,676
SAIL	-	-	-	-	43
GROSS TONNAGE	-	-	-	-	511
TOTAL VESSELS	5,144	269	-	61	13,187
TOTAL GROSS TONNAGE	178,520	5,356	-	1,923	534,146
BOATS:					
MOTOR	17,424	672	10,032	599	68,197
OTHER	291	75	168	32	2,113
GEAR:					
HAUL SEINES	181	81	298	(1)	1,128
STOP NETS AND SEINES	-	-	-	-	55
PURSE SEINES AND LAMPARA NETS:					
ANCHOVY	25	-	-	-	25
HERRING	37	-	-	-	72
MACKEREL AND SARDINE	59	-	-	-	61
MENHADEN	-	-	-	-	130
SALMON	1,385	-	-	-	1,385
SQUID	12	-	-	-	12
TUNA	132	-	-	-	135
OTHER	27	-	-	-	39
BAG NETS	-	-	-	(1)	109
BUTTERFLY NETS	-	-	-	-	807
BEAM TRAWLS	19	-	-	-	19
OTTER TRAWLS:					
CRAB	-	-	-	-	386
FISH	224	15	1	-	1,280
LOBSTER	-	-	-	-	127
SCALLOP	-	-	-	-	2
SHRIMP	112	-	-	-	13,688
MID-WATER TRAWLS	7	-	-	-	7
WEIRS	1	3	74	-	151
POUND NETS	4	274	6	-	4,491
TRAP NETS	-	988	96	-	1,084
FLOATING TRAPS	4	-	-	-	42
FYKE AND HOOP NETS	-	351	63,233	-	83,184

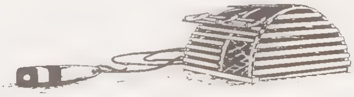
SEE FOOTNOTE AT END OF TABLE

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
POTS AND TRAPS:					
CONCH	-	-	-	-	2,765
CRAB.	173,597	-	-	(1)	645,866
CRAWFISH.	425	-	61,772	-	82,007
EEL	-	-	-	(1)	24,113
FISH.	430	-	5,111	(1)	47,643
LOBSTER	19,440	-	-	(1)	1,242,602
OCTOPUS	215	-	-	(1)	215
SHRIMP.	625	-	130	-	755
TURTLE.	-	-	65	(1)	522
BOX TRAPS	-	-	-	-	6
WIRE BASKETS.	-	-	2,291	-	2,291
SLAT TRAPS.	-	-	1,318	-	1,318
GILL NETS:					
ANCHOR, SET OR STAKE. .	2,952	1,007	5,620	(1)	15,215
DRIFT	6,327	-	-	-	8,010
RUNAROUND	-	-	-	-	1,347
TRAMMEL NETS.	17	-	4,555	-	5,246
HOOKS AND BAITS	1,552,095	59,930	4,267,820	(1)	9,483,227
ELECTRICAL DEVICES. . . .	-	-	7	-	7
DIP NETS.	172	-	264	-	9,885
BRAIL OR SCOOP NETS . . .	95	-	3	-	98
LIFT NETS	-	-	-	(1)	(1)
REEF NETS	63	-	-	-	63
WHEELS.	8	-	-	-	8
CAST NETS	-	-	-	(1)	19
HARPOONS.	65	-	-	-	104
SPEARS.	-	-	-	(1)	347
GRAPES	-	-	-	-	348
DREDGES:					
CLAM.	3	-	-	-	504
CONCH	-	-	-	-	
CRAB.	-	-	-	-	312
MUSSEL.	-	-	-	-	6
OYSTER.	75	-	-	-	1,888
SCALLOP	18	-	-	-	3,898
OTHER	-	-	-	-	8
TONGS AND OYSTER GRABS. .	36	-	-	-	13,126
RAKES	-	-	-	-	4,796
HOES.	-	-	-	-	4,272
FORKS	-	-	-	-	45
SHOVELS	536	-	-	-	536
BRUSH TRAPS	-	-	-	-	38,300
CROWFOOT BARS	-	-	866	-	866
GRABS, FROG	-	-	151	-	221
HOOKS:					
SPONGE.	-	-	-	-	82
OTHER	-	-	-	-	17
DIVING OUTFITS.	249	-	68	-	398

1/ DATA ON THE NUMBER OF GEAR OPERATED IN HAWAII ARE NOT AVAILABLE.



LOBSTER POT

U.S. LANDINGS BY WATERS, FISHERMEN, CRAFT, PLANTS AND EMPLOYMENT, BY STATES, 1969

STATE	MARINE WATERS AND COASTAL RIVERS		LAKES 1/		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL		FISHERMEN	FISHING CRAFT		WHOLESALE AND PROCESSING		
										VESSELS	BOATS	ESTA-BLISH-MENTS	PERSONS ENGAGED	
													AVERAGE FOR SEASON	AVERAGE FOR YEAR
	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	THOUSAND POUNDS	THOUSAND DOLLARS	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ALABAMA	28,515	10,548	-	-	2,761	443	31,276	10,991	2,599	520	972	80	1,728	1,062
ALASKA	386,090	70,435	-	-	-	-	386,090	70,435	18,625	1,974	9,953	163	8,584	3,450
ARIZONA	-	-	-	-	16	4	16	4	5	-	4	-	-	-
ARKANSAS	-	-	-	-	5,811	987	5,811	987	2,770	-	2,452	28	117	112
CALIFORNIA	578,602	62,844	-	-	-	-	578,602	62,844	11,107	1,914	2,343	200	8,690	6,990
COLORADO	-	-	-	-	6	(2)	6	(2)	5	-	1	-	-	-
CONNECTICUT	5,482	1,664	-	-	-	-	5,482	1,664	662	44	433	10	53	45
DELAWARE	3,615	519	-	-	-	-	3,615	519	462	10	232	17	406	352
FLORIDA	169,704	39,431	10,183	2,172	-	-	179,887	41,603	10,151	1,700	4,383	457	6,435	5,349
GEORGIA	15,665	6,505	-	-	-	-	15,665	6,505	1,490	394	665	54	2,380	1,836
HAWAII	9,543	3,483	-	-	-	-	9,543	3,483	1,338	61	631	36	416	389
IDAHO	-	-	-	-	1,188	57	1,188	57	737	-	744	-	-	-
ILLINOIS	-	-	747	122	6,501	691	7,248	813	478	2	433	81	910	844
INDIANA	-	-	204	42	513	99	717	141	350	2	77	16	81	73
IOWA	-	-	-	-	3,143	316	3,143	316	458	-	479	21	107	96
KANSAS	-	-	-	-	180	18	180	18	29	-	13	7	156	119
KENTUCKY	-	-	-	-	2,983	511	2,983	511	667	-	642	15	119	116
LOUISIANA	1,003,160	54,426	-	-	10,341	1,768	1,013,501	56,194	12,544	1,766	6,506	265	5,422	3,617
MAINE	191,314	27,533	-	-	-	-	191,314	27,533	9,372	179	6,126	254	5,885	3,586
MARYLAND	74,831	18,184	-	-	-	-	74,831	18,184	9,351	697	6,909	250	4,937	3,695
MASSACHUSETTS	281,668	42,273	-	-	-	-	281,668	42,273	8,028	422	3,073	237	5,829	5,034
MICHIGAN	-	-	21,948	2,723	-	-	21,948	2,723	703	137	254	56	448	331
MINNESOTA	-	-	2,777	171	6,184	688	8,961	859	693	4	356	25	232	146
MISSISSIPPI	306,936	10,528	-	-	3,018	551	309,954	11,079	3,603	551	1,860	76	1,616	995
MISSOURI	-	-	-	-	858	141	858	141	408	-	389	35	479	416
MONTANA	-	-	-	-	835	119	835	119	14	-	12	-	-	-
NEBRASKA	-	-	-	-	355	20	355	20	122	-	119	8	38	37
NEW HAMPSHIRE	1,288	734	-	-	-	-	1,288	734	437	-	205	13	464	391
NEW JERSEY	92,862	10,979	-	-	-	-	92,862	10,979	3,130	315	1,245	103	2,248	1,891
NEW MEXICO	-	-	-	-	31	7	31	7	2	-	1	-	-	-
NEW YORK	41,387	14,040	561	104	-	-	41,948	14,144	5,180	211	2,440	229	2,504	2,364
NORTH CAROLINA	219,034	12,525	-	-	-	-	219,034	12,525	4,135	372	2,560	164	2,462	1,463
NORTH DAKOTA	-	-	-	-	453	44	453	44	5	-	4	5	25	13
OHIO	-	-	9,541	1,223	649	55	10,190	1,278	341	30	242	37	505	439
OKLAHOMA	-	-	-	-	771	93	771	93	102	-	92	11	42	42
OREGON	87,230	16,999	-	-	-	-	87,230	16,999	4,678	1,093	1,722	60	3,314	2,344
PENNSYLVANIA	-	-	497	58	-	-	497	58	22	6	5	48	1,351	1,174
RHODE ISLAND	88,514	8,374	-	-	-	-	88,514	8,374	1,765	125	963	33	345	291
SOUTH CAROLINA	20,648	5,248	-	-	-	-	20,648	5,248	1,435	320	518	72	1,017	769
SOUTH DAKOTA	-	-	-	-	3,107	286	3,107	286	56	-	35	5	21	13
TENNESSEE	-	-	-	-	6,886	861	6,886	861	920	-	905	33	114	109
TEXAS	159,370	47,294	-	-	1,207	216	160,577	47,510	6,968	1,917	1,259	181	5,951	3,984
UTAH	-	-	-	-	314	37	314	37	8	-	4	-	-	-
VIRGINIA	279,251	17,926	-	-	-	-	279,251	17,926	7,855	852	3,649	306	5,328	3,565
WASHINGTON	144,012	27,138	-	-	-	-	144,012	27,138	9,410	1,505	3,781	138	3,402	2,390
WEST VIRGINIA	-	-	-	-	3	1	3	1	2	-	2	-	-	-
WISCONSIN	-	-	32,261	1,617	11,249	643	43,510	2,260	1,298	92	809	63	659	608
TOTAL	4,188,721	509,630	78,719	8,232	69,363	8,656	4,336,803	526,518	3/132,448	3/13,187	3/70,310	3,892	84,820	60,540

1/ INCLUDES THE LANDINGS OF THE GREAT LAKES, THE INTERNATIONAL LAKES OF MINNESOTA, AND THE INLAND LAKES OF FLORIDA.

2/ LESS THAN $500.

3/ EXCLUSIVE OF DUPLICATION.

SUMMARY OF U.S. FISHING VESSELS, BY TONNAGE GROUPS, 1969

GROSS TONNAGE	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE 1/	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLI-CATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	32	39	1,010	152	253	913	39	-	2,426
10 - 19	128	107	311	237	897	2,199	123	18	4,001
20 - 29	91	70	60	148	465	722	64	15	1,611
30 - 39	75	56	26	163	385	416	23	12	1,107
40 - 49	48	42	20	144	361	302	16	9	880
50 - 59	39	39	15	79	283	152	2	4	552
60 - 69	40	29	11	97	517	63	1	1	685
70 - 79	45	31	12	47	265	43	1	1	393
80 - 89	22	11	4	24	167	33	-	-	238
90 - 99	25	19	1	36	342	33	-	1	421
100 - 109	13	3	2	6	78	27	-	-	121
110 - 119	26	13	4	5	55	20	-	-	110
120 - 129	12	7	4	5	64	13	-	-	95
130 - 139	14	2	-	2	79	14	-	-	108
140 - 149	8	1	1	2	17	10	-	-	38
150 - 159	12	4	2	1	9	10	-	-	32
160 - 169	9	3	2	-	6	16	-	-	32
170 - 179	11	2	-	-	6	7	-	-	25
180 - 189	5	2	1	-	3	15	-	-	24
190 - 199	16	9	10	5	10	32	-	-	69
200 - 209	-	1	2	4	-	-	-	-	4
210 - 219	2	1	-	1	1	1	-	-	5
220 - 229	1	-	1	-	4	-	-	-	6
230 - 239	3	1	-	-	-	2	-	-	6
240 - 249	3	1	3	5	1	-	-	-	9
250 - 259	-	1	7	8	3	3	-	-	14
260 - 269	1	1	7	6	2	2	-	-	12
270 - 279	1	-	-	-	1	6	-	-	8
280 - 289	-	1	1	2	2	1	-	-	5
290 - 299	2	1	-	1	1	3	-	-	7
300 - 309	2	1	-	-	-	1	-	-	4
310 - 319	4	-	-	-	2	4	-	-	10
320 - 329	2	-	-	1	1	2	-	-	6
330 - 339	-	-	-	-	-	3	-	-	3
340 - 349	-	-	-	-	-	4	-	-	4
350 - 359	-	-	-	-	-	5	-	-	5
360 - 369	-	-	-	-	2	4	-	-	6
370 - 379	-	-	-	-	2	1	-	-	3
380 - 389	-	-	-	-	2	2	-	-	4
390 - 399	-	-	-	-	-	1	-	-	1
400 - 409	-	-	-	-	-	1	-	-	1
410 - 419	-	-	-	-	2	1	-	-	3
420 - 429	-	-	-	-	-	2	-	-	2
430 - 439	-	-	-	-	1	6	-	-	7
440 - 449	-	-	-	-	-	4	-	-	4
450 - 459	1	-	-	1	1	-	-	-	2
460 - 469	-	-	-	-	1	2	-	-	3
470 - 479	-	-	-	-	5	6	-	-	11
480 - 489	-	-	-	-	2	4	-	-	6
490 - 499	-	-	-	-	-	3	-	-	3
500 - 509	-	-	-	-	1	-	-	-	1
510 - 519	-	-	-	-	2	-	-	-	2
520 - 529	-	-	-	1	5	-	-	-	5
530 - 539	-	-	-	1	10	-	-	-	10
540 - 549	-	-	1	1	-	-	-	-	1
550 - 559	-	-	1	1	1	-	-	-	2
560 - 569	-	-	-	-	-	1	-	-	1
570 - 579	-	-	-	-	-	1	-	-	1
580 - 589	-	-	-	-	-	1	-	-	1
600 - 609	-	-	-	-	1	-	-	-	1
610 - 619	-	-	-	-	1	1	-	-	2
630 - 639	-	-	-	-	-	2	-	-	2
640 - 649	-	-	-	-	1	-	-	-	1
670 - 679	-	-	-	-	-	5	-	-	5
690 - 699	-	-	-	-	-	1	-	-	1
710 - 719	-	-	-	-	-	1	-	-	1
720 - 729	-	-	-	-	-	2	-	-	2
730 - 739	-	-	-	-	-	1	-	-	1
760 - 769	-	-	-	-	-	1	-	-	1

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(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

SUMMARY OF U.S. FISHING VESSELS, BY TONNAGE GROUPS, 1969 - Continued

GROSS TONNAGE	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE 1/	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
800 - 809	-	-	-	-	-	1	-	-	1
810 - 819	-	-	-	-	-	1	-	-	1
860 - 869	-	-	-	-	-	6	-	-	6
900 - 909	-	-	-	-	-	1	-	-	1
920 - 929	-	-	-	-	-	1	-	-	1
970 - 979	-	-	-	-	-	1	-	-	1
1090 - 1099	-	-	-	-	-	1	-	-	1
1590 - 1599	2	-	-	-	-	1	-	-	2
TOTAL VESSELS . .	695	498	1,519	1,186	4,320	5,144	269	61	13,187
TOTAL GROSS TONNAGE.	48,655	25,343	27,687	52,833	236,197	178,518	5,356	1,923	534,146

1/ INCLUDES SAILING VESSELS.

LENGTH DISTRIBUTION OF U.S. FISHING VESSELS, 1969

LENGTH IN FEET	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE 1/	SOUTH ATLANTIC
	NUMBER	NUMBER	NUMBER	NUMBER
10 - 19	-	-	-	1
20 - 29	12	6	3	43
30 - 39	120	97	1,022	323
40 - 49	108	101	301	302
50 - 59	121	84	87	250
60 - 69	98	93	33	198
70 - 79	93	52	13	19
80 - 89	61	24	11	5
90 - 99	31	11	8	3
100 - 109	28	17	13	4
110 - 119	11	-	1	-
120 - 129	2	6	23	24
130 - 139	8	2	-	4
140 - 149	-	5	1	4
150 - 159	-	-	-	1
160 - 169	-	-	2	5
200 - 299	2	-	-	-
300 - 399	-	-	1	-
TOTAL	695	498	1,519	1,186

LENGTH IN FEET	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
10 - 19	-	-	-	-	1
20 - 29	45	701	21	-	830
30 - 39	787	2,331	160	4	4,819
40 - 49	913	1,335	72	20	3,092
50 - 59	997	283	15	14	1,719
60 - 69	1,253	182	1	10	1,717
70 - 79	233	106	-	12	489
80 - 89	12	69	-	1	159
90 - 99	3	22	-	-	65
100 - 109	4	20	-	-	64
110 - 119	3	33	-	-	48
120 - 129	9	17	-	-	57
130 - 139	12	18	-	-	40
140 - 149	11	2	-	-	20
150 - 159	11	16	-	-	27
160 - 169	24	3	-	-	29
170 - 179	-	3	-	-	3
180 - 189	-	1	-	-	1
190 - 199	3	1	-	-	4
200 - 299	-	1	-	-	2
300 - 399	-	-	-	-	1
TOTAL	4,320	5,144	269	61	13,187

1/ INCLUDES SAILING VESSELS.

U.S. FISHING VESSELS BY YEAR BUILT AND REGION, 1969

YEAR BUILT	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE 1/	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1865	-	-	-	1	-	-	-	-	1
1866	-	1	-	-	-	-	-	-	1
1872	-	1	-	-	-	-	-	-	1
1873	-	1	-	-	-	-	-	-	1
1875	-	1	1	-	-	-	-	-	1
1876	-	2	-	-	-	-	-	-	2
1883	-	1	-	-	-	-	-	-	1
1884	1	-	1	-	-	-	-	-	2
1886	-	1	1	-	-	-	-	-	2
1887	1	1	-	-	-	1	-	-	3
1888	-	1	-	-	1	-	-	-	2
1889	-	-	-	-	1	-	-	-	1
1890	-	-	1	-	-	-	-	-	[illegible]
1891	-	-	1	-	1	-	-	-	2
1893	-	1	-	-	1	1	-	-	3
1894	-	-	-	-	-	1	-	-	1
1896	-	-	1	1	-	-	-	-	2
1897	-	-	1	1	-	-	-	-	1
1898	-	-	-	1	1	1	-	-	3
1899	-	-	-	1	-	-	-	-	1
1900	-	1	1	-	3	4	-	-	9
1901	-	3	8	1	3	1	-	-	16
1902	3	-	1	-	-	1	-	-	5
1903	1	4	-	-	2	4	-	-	11
1904	-	-	5	-	3	-	-	-	8
1905	-	4	5	-	7	2	-	-	18
1906	2	4	5	-	3	1	-	-	15
1907	1	3	1	-	1	6	-	-	12
1908	-	1	3	-	-	8	-	-	12
1909	-	6	5	-	4	7	-	-	22
1910	2	4	2	-	-	7	-	-	14
1911	2	3	5	4	1	15	1	-	30
1912	-	-	6	-	2	33	1	-	42
1913	-	4	6	1	1	29	1	-	42
1914	1	1	6	-	2	33	2	-	45
1915	1	-	6	1	3	43	-	-	54
1916	-	2	3	1	2	23	-	-	31
1917	7	5	7	-	4	79	-	-	96
1918	3	5	7	1	5	61	-	-	76
1919	-	4	3	-	1	45	-	-	52
1920	1	3	8	1	5	74	-	-	92
1921	3	1	3	3	-	20	1	-	31
1922	2	2	10	4	4	17	1	-	39
1923	2	4	11	4	7	17	-	-	45
1924	9	8	12	3	23	40	1	-	94
1925	11	2	11	4	15	61	-	-	101
1926	8	4	9	2	13	74	3	1	112
1927	7	5	14	10	10	100	4	1	149
1928	14	9	14	3	20	111	2	3	173
1929	10	6	6	4	21	88	3	2	139
1930	8	11	12	14	14	67	3	2	128
1931	8	5	8	4	15	38	1	-	78
1932	8	1	8	6	6	22	2	-	53
1933	5	1	10	3	11	16	4	-	50
1934	7	2	20	5	9	23	6	1	73
1935	2	2	16	8	20	69	12	1	129
1936	11	7	22	9	38	46	13	-	144
1937	14	5	20	9	48	62	10	1	166
1938	9	9	25	11	52	72	10	3	184
1939	13	4	19	9	23	94	4	-	164
1940	14	7	32	2	33	98	6	1	190
1941	29	11	12	11	30	98	5	-	189
1942	18	24	20	28	25	135	3	1	240
1943	22	28	25	26	51	153	4	1	288
1944	43	19	35	36	76	229	12	2	429
1945	48	33	37	27	71	237	21	-	460
1946	37	29	62	55	109	236	29	9	554
1947	33	18	46	49	121	215	21	12	506
1948	20	15	62	34	162	159	22	-	462
1949	21	8	48	48	74	149	7	3	353

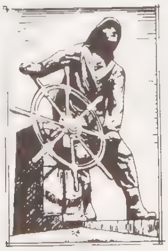
SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

U.S. FISHING VESSELS BY YEAR BUILT AND REGION, 1969 - Continued

YEAR BUILT	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE 1/	SOUTH ATLANTIC	GULF	PACIFIC	GREAT LAKES	HAWAII	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
1950.	9	9	36	15	77	113	14	1	272
1951.	12	6	28	29	82	146	6	-	296
1952.	19	8	38	22	93	135	7	-	314
1953.	12	13	28	19	167	98	2	3	332
1954.	7	10	42	32	172	58	1	-	316
1955.	10	8	44	32	65	80	4	1	236
1956.	10	9	74	45	95	68	2	-	285
1957.	8	12	71	54	160	72	2	-	353
1958.	5	3	51	59	224	62	8	-	381
1959.	14	6	59	39	91	61	6	-	256
1960.	6	7	44	16	76	52	1	-	196
1961.	11	6	33	24	83	65	-	3	215
1962.	10	5	21	22	91	80	-	-	214
1963.	10	7	28	34	171	90	1	1	316
1964.	12	6	23	28	155	107	-	1	316
1965.	13	4	34	28	225	97	-	3	388
1966.	24	6	43	42	258	126	-	-	469
1967.	20	7	46	56	321	135	-	1	550
1968.	12	8	19	47	346	136	-	1	543
1969.	8	7	12	22	190	88	-	2	319
UNKNOWN	1	3	11	75	20	49	-	-	163
TOTAL VESSELS	695	498	1,519	1,186	4,320	5,144	269	61	13,187

1/ INCLUDES SAILING VESSELS.



U.S. FISHING VESSELS BY GEAR AND CONSTRUCTION, 1969

GEAR	WOOD	STEEL	ALUMINUM	FIBERGLASS	OTHER	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
HAUL SEINES:						
COMMON	87	3	-	2	-	92
LONG	6	-	-	-	-	6
DANISH	1	-	-	-	-	1
STOP SEINES	14	-	-	-	-	14
PURSE SEINES:						
ANCHOVY	18	1	-	-	-	19
HERRING	28	9	-	-	-	37
MACKEREL	51	2	-	-	-	53
MENHADEN	39	89	-	-	2	130
SALMON	829	59	1	17	1	907
TUNA	87	48	-	-	-	135
OTHER	3	2	-	-	-	5
LAMPARA NETS:						
SQUID	7	-	-	-	-	7
OTHER	16	-	-	-	-	16
BAG NETS	3	-	-	-	-	3
BUTTERFLY NETS	17	-	-	-	-	17
BEAM TRAWLS:						
SHRIMP	14	-	-	-	-	14
OTHER	-	-	-	1	-	
OTTER TRAWLS:						
CRAB	127	1	-	-	-	128
FISH	965	115	-	-	2	1,082
LOBSTER	111	15	-	-	1	127
SCALLOP	2	-	-	-	-	2
SHRIMP	3,795	666	1	6	9	4,477
MID-WATER TRAWLS	7	-	-	-	-	7
POUND NETS:						
FISH	89	5	-	-	-	94
CRAB	5	-	-	-	-	5
TRAP NETS	12	36	-	-	-	48
FLOATING NETS	5	4	-	-	-	9
FYKE AND HOOP NETS, FISH	7	2	-	-	-	9
POTS AND TRAPS:						
CONCH	8	-	-	-	-	8
CRAB:						
BLUE	432	1	-	-	2	435
DUNGENESS	545	59	-	11	-	615
KING	153	72	-	7	-	232
OTHER	97	44	-	2	-	143
EEL	8	-	-	-	-	8
FISH	58	1	-	-	-	59
LOBSTER:						
NORTHERN	71	6	-	2	-	79
SPINY	197	6	-	1	69	273
SHRIMP	3	-	-	-	-	3
GILL NETS:						
ANCHOR, SET OR STAKE:						
SALMON	33	2	-	1	-	36
OTHER	178	-	-	-	-	178
DRIFT:						
BARRACUDA	5	-	-	-	-	5
SALMON	716	40	6	114	2	878
SEA BASS	20	3	-	-	-	23
SHAD	1	-	-	-	-	1
OTHER	103	-	-	-	-	103
RUNAROUND	81	2	-	-	-	83
GREAT LAKES:						
1-1/4 - 2 INCH MESH	15	6	-	-	-	21
2-1/8 - 3-7/8 INCH MESH	66	115	-	-	-	181
4 - 7 INCH MESH	47	60	-	-	-	107
7-1/8 - 14 INCH MESH	3	5	-	-	-	8
TRAMMEL NETS	24	-	-	-	-	24
LINES:						
HAND:						
ALBACORE	92	37	-	-	-	129
ROCKFISHES	109	6	-	-	1	116
YELLOWFIN	33	22	-	-	-	55
OTHER	409	16	1	2	5	433
TROLL:						
SALMON	2,318	103	2	38	4	2,465
TUNA	1,664	128	2	12	1	1,807
OTHER	65	3	-	1	-	69
LONG OR SET WITH HOOKS	349	29	1	10	-	389
TROT WITH BAITS	143	-	-	-	-	143
DIP NETS, COMMON	4	-	-	-	-	4
BRAIL OR SCOOP NETS	23	2	-	-	-	25
LIFT NETS	1	-	-	-	-	1

(CONTINUED ON NEXT PAGE)

U.S. FISHING VESSELS BY GEAR AND CONSTRUCTION, 1969 - Continued

[illegible]	WOOD	STEEL	ALUMINUM	FIBERGLASS	OTHER	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHEELS.	1	-	-	-	-	1
HARPOONS:						
SWORDFISH	41		-	1	-	[illegible]
WHALE	[illegible]	-	-	-	-	[illegible]
OTHER	[illegible]	-	-	-	-	[illegible]
SCRAPES	[illegible]	-	-	-	-	[illegible]
DREDGES:						
CLAM.	[illegible]	19	-	-	1	[illegible]
CONCH	6	-	-	-	-	[illegible]
CRAB.	[illegible]	-	-	-	-	[illegible]
MUSSEL.	1	-	-	-	-	1
OYSTER:						
COMMON.	[illegible]	14	-	-	4	[illegible]
SUCTION	1	1	-	-	-	[illegible]
SCALLOP:						
BAY	[illegible]	-	-	-	-	[illegible]
SEA	[illegible]	[illegible]	-	-	1	10
OTHER	-	[illegible]	-	-	-	[illegible]
TONGS AND OYSTER GRABS:						
OYSTER.	663	1	-	-	-	664
OTHER	[illegible]	1	-	-	-	[illegible]
DIVING OUTFITS:						
ABALONE	[illegible]	3	-	-	-	[illegible]
SPONGE.	11	-	-	-	-	11
BY HAND, OTHER.	4	-	-	-	-	4
TOTAL, EXCLUSIVE OF DUPLICATION.	11,46[illegible]	1,429	[illegible]	184	98	13,187

LANDINGS BY REGION, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	2,132	50	14	1	33,904	677	21,737	334	224	9
AMBERJACK	3	(1)	(1)	(1)	-	-	15	1	80	5
ANCHOVIES	6	1	-	-	-	-	-	-	-	-
ANGELFISH	-	-	-	-	-	-	4	(1)	8	(1)
ANGLERFISH	162	9	26	1	-	-	-	-	-	-
BALLYHOO	-	-	-	-	-	-	125	19	236	43
BARRACUDA	-	-	-	-	-	-	-	-	(1)	(1)
BILLFISH	(1)	(1)	-	-	-	-	-	-	-	-
BLUEFISH	357	56	1,801	235	277	32	2,956	330	587	56
BLUE RUNNER	-	-	-	-	-	-	37	1	1,606	60
BONITO	184	21	21	1	1	(1)	3	(1)	8	(1)
BOWFIN	-	-	-	-	-	-	(1)	(1)	14	1
BUFFALOFISH	-	-	-	-	-	-	-	-	944	126
BUTTERFISH	1,275	212	2,426	276	1,143	88	130	8	-	-
CABIO	-	-	-	-	3	(1)	10	1	70	6
CARP	-	-	40	3	276	7	137	4	16	1
CATFISH AND BULLHEADS	1	(1)	18	3	1,581	203	14,474	2,906	4,362	1,230
CIGARFISH	-	-	-	-	-	-	-	-	305	36
COD	56,891	4,755	575	80	36	3	-	-	-	-
CRAPPIE	-	-	-	-	2	(1)	-	-	-	-
CREVALLE	16	1	-	-	-	-	58	2	711	32
CROAKER	-	-	-	-	63	10	1,421	73	5,255	674
CUSK	1,074	66	-	-	-	-	-	-	-	-
DOLPHIN	(1)	(1)	-	-	-	-	12	2	49	6
DRUM:										
BLACK	-	-	11	1	113	7	161	16	1,308	126
RED	-	-	-	-	1	(1)	127	24	2,602	461
EELS:										
COMMON	155	36	465	109	1,075	167	171	18	6	(1)
CONGER	11	1	(1)	(1)	-	-	-	-	-	-
FLOUNDERS	99,727	13,316	8,692	1,184	2,170	579	2,924	739	1,533	280
FRIGATE MACKEREL	8	1	-	-	-	-	-	-	-	-
GARFISH	-	-	-	-	(1)	(1)	-	-	587	46
GIZZARD SHAD	-	-	-	-	18	(1)	-	-	-	-
GOATFISH	-	-	-	-	-	-	61	9	-	-
GROUPER	-	-	-	-	-	-	544	115	7,644	1,435
GRUNT	-	-	4	(1)	-	-	39	4	310	40
HADDOCK	45,809	7,763	20	3	-	-	-	-	-	-
HAKE:										
RED	892	33	644	31	16	(1)	-	-	-	-
WHITE	3,023	162	15	1	-	-	-	-	-	-
HALIBUT	211	109	-	-	-	-	-	-	-	-
HARVESTFISH	-	-	-	-	2	(1)	25	3	-	-
HERRING:										
SEA	68,602	1,185	503	19	56	1	-	-	-	-
THREAD	-	-	-	-	-	-	4,740	64	5,590	61
HICKORY SHAD	-	-	-	-	127	5	115	7	-	-
HOGCHOKER	-	-	-	-	7	(1)	-	-	-	-
HOGFISH	-	-	-	-	-	-	1	(1)	18	4
JEWFISH	-	-	-	-	-	-	46	7	155	12
KING WHITING OR "KINGFISH"	1	(1)	22	3	39	5	2,044	243	1,743	110
LAUNCE	45	8	-	-	-	-	-	-	-	-
MACKEREL:										
ATLANTIC	7,842	403	788	55	276	26	-	-	-	-
KING	-	-	-	-	2	(1)	2,961	603	3,242	415
SPANISH	(1)	(1)	-	-	124	18	2,452	266	8,342	959
TOTAL MACKEREL	7,842	403	788	55	402	44	5,413	869	11,584	1,374
MARLIN	-	-	(1)	(1)	-	-	-	-	-	-
MENHADEN	46	1	43,755	844	181,651	2,822	164,874	2,491	1,155,203	17,316
MOJARRA	-	-	-	-	-	-	156	10	213	23
MULLET	12	2	1	(1)	4	(1)	4,588	376	30,083	2,455
OCEAN PERCH, ATLANTIC	55,818	2,366	-	-	-	-	-	-	-	-
OCEAN POUT	1	(1)	-	-	-	-	-	-	-	-
PADDLEFISH	-	-	-	-	-	-	-	-	7	1
PERMIT	-	-	-	-	-	-	3	(1)	10	1
PIGFISH	-	-	-	-	7	1	202	16	38	3
PIKE OR PICKEREL	-	-	-	-	6	1	-	-	-	-
POLLOCK	9,068	513	5	(1)	-	-	-	-	-	-
POMPANO	-	-	-	-	(1)	(1)	337	325	665	634
SAND PERCH	-	-	-	-	-	-	(1)	(1)	-	-
SAWFISH	-	-	-	-	-	-	-	-	3	(1)
SCUP OR PORGY	2,490	606	5,255	942	2,907	395	315	46	68	9
SEA BASS, BLACK (ATLANTIC)	41	18	461	148	1,917	340	1,848	378	305	39
SEA CATFISH	-	-	-	-	-	-	15	1	426	28

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY REGION, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SEA ROBIN	74	1	68	3	87	1	-	-	-	-
SEA TROUT OR WEAKFISH:										
GRAY	14	2	2,001	142	1,045	112	1,690	130	-	-
SPOTTED	-	-	-	-	19	4	880	290	4,631	[illegible]
WHITE	-	-	-	-	-	-	-	-	1,174	[illegible]
SHAD	201	59	342	44	3,540	291	1,904	439	1	(1)
SHARKS:										
GRAYFISH	5	(1)	158	14	87	3	-	-	-	-
UNCLASSIFIED	4	(1)	2	(1)	114	2	25	1	13	1
TOTAL SHARKS	9	(1)	160	14	201	5	25	1	13	1
SHEEPSHEAD:										
FRESH-WATER	-	-	-	-	-	-	-	-	287	[illegible]
SALT-WATER	-	-	-	-	-	-	211	21	1,139	[illegible]
SILVERSIDES	-	-	2	(1)	-	-	-	-	-	-
SKATES	134	7	9	(1)	-	-	-	-	-	-
SMELT	183	54	-	-	-	-	-	-	-	-
SNAPPERS:										
LANE	-	-	-	-	-	-	6	2	12	2
MANGROVE	-	-	-	-	-	-	106	34	480	123
MUTTON	-	-	-	-	-	-	77	39	135	45
RED	-	-	-	-	-	-	665	387	9,548	[illegible]
VERMILION	-	-	-	-	-	-	33	14	108	42
YELLOWTAIL	-	-	-	-	-	-	162	72	808	321
SPADEFISH	-	-	-	-	-	-	(1)	(1)	-	-
SPANISH SARDINES	-	-	-	-	-	-	-	-	360	14
SPOT	-	-	6	(1)	1,070	141	2,819	389	355	[illegible]
STRIPED BASS	1,182	282	1,888	453	7,759	1,427	1,569	325	-	-
STURGEON, COMMON	8	(1)	20	3	25	4	173	21	12	1
SUCKERS	-	-	-	-	(1)	(1)	2	(1)	-	-
SUNFISH	-	-	-	-	4	(1)	-	-	-	-
SWELLFISH	-	-	264	14	4,593	152	201	6	-	-
SWORDFISH	336	163	33	14	7	4	-	-	2	1
TAUTOG	80	5	54	2	1	(1)	-	-	-	-
TENPOUNDER	-	-	-	-	-	-	-	-	1,193	35
THIMBLE-EYED MACKEREL	1	(1)	-	-	-	-	-	-	-	-
TILEFISH	33	6	33	4	(1)	(1)	5	1	1	(1)
TRIGGERFISH	-	-	-	-	-	-	2	(1)	22	2
TRIPLETAIL	-	-	-	-	-	-	5	(1)	1	(1)
TUNA:										
BLUEFIN	2,686	379	17	2	-	-	-	-	-	-
LITTLE	-	-	16	1	-	-	-	-	-	-
UNCLASSIFIED	1	(1)	-	-	1	(1)	-	-	-	-
TOTAL TUNA	2,687	379	33	3	1	(1)	-	-	-	-
TURBOT	(1)	(1)	-	-	-	-	-	-	-	-
WARSAW	-	-	-	-	-	-	31	5	175	22
WHITE PERCH	35	6	166	30	2,704	427	207	24	-	-
WHITING	39,301	2,152	5,958	483	69	6	-	-	-	-
WOLFFISH	523	24	-	-	-	-	-	-	-	-
YELLOW PERCH	-	-	1	(1)	123	16	28	3	-	-
UNCLASSIFIED:										
FOR FOOD	9,642	905	244	24	110	5	339	28	1,487	130
FOR BAIT, REDUCTION, AND ANIMAL FOOD	72,767	694	19	1	1,443	22	1,819	16	94,582	1,734
TOTAL FISH	483,113	36,433	76,933	5,187	250,605	8,004	242,827	11,689	1,351,102	34,720
SHELLFISH, ETC.										
CRABS:										
BLUE:										
HARD	-	-	1,132	145	56,654	5,374	41,280	3,795	33,189	3,145
SOFT AND PEELER	-	-	12	4	4,222	1,639	93	42	197	161
GREEN	54	6	-	-	-	-	-	-	-	-
ROCK	1,492	104	83	4	-	-	-	-	-	-
STONE	-	-	-	-	-	-	108	60	1,258	696
TOTAL CRABS	1,546	110	1,227	153	60,876	7,013	41,481	3,897	34,644	4,002
CRAWFISH, FRESH-WATER	-	-	-	-	-	-	-	-	3,027	600
HORSESHOE CRABS	11	1	-	-	-	-	-	-	-	-
LOBSTERS:										
NORTHERN	30,711	26,172	2,850	2,668	207	144	19	14	-	-
SPINY	-	-	-	-	-	-	3,811	2,628	4,653	3,325
SHRIMP	28,272	3,478	-	-	-	-	27,306	16,186	200,429	101,062

SEE FOOTNOTES AT END OF TABLE.

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LANDINGS BY REGION, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE		SOUTH ATLANTIC		GULF	
SHELLFISH, ETC.- CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CLAMS:										
HARD.	[illegible]	1,675	9,915	9,431	[illegible]	[illegible]	353	197	11	[illegible]
OCEAN QUAHOG. . . .	[illegible]	[illegible]	-	-	-	-	-	-	-	-
RANGIA.	-	-	-	-	-	-	40	13	-	-
RAZOR	2	2	-	-	-	-	-	-	-	-
SOFT.	[illegible]	[illegible]	241	112	[illegible]	[illegible]	-	-	-	-
SUNRAY VENUS. . . .	-	-	-	-	-	-	-	-	[illegible]	[illegible]
SURF.	13	3	42,227	4,932	7,335	915	-	-	-	-
TOTAL CLAMS . .	[illegible]	4,621	[illegible]	14,595	[illegible]	5,351	423	210	[illegible]	[illegible]
CONCHS.	337	95	33	[illegible]	307	34	7	2	-	-
MUSSELS, SEA.	433	46	[illegible]	63	-	-	-	-	-	-
OCTOPUS	-	-	-	-	-	-	1)	1)	-	-
OYSTERS, MARKET, EASTERN:										
PUBLIC.	6	15	181	379	18,245	11,144	415	275	11,942	[illegible]
PRIVATE	146	343	1,141	[illegible]	3,912	[illegible]	1,415	802	7,823	3,385
TOTAL OYSTERS .	152	358	1,322	[illegible]	22,157	13,395	1,830	1,077	19,765	8,148
PERIWINKLES AND COCKLES.	43	9	-	-	-	-	-	-	-	-
SCALLOPS:										
BAY	1,172	1,592	249	[illegible]	-	-	[illegible]	383	[illegible]	[illegible]
CALICO.	-	-	-	-	-	-	183	173	[illegible]	8
SEA	[illegible]	[illegible]	912	952	1,378	1,474	13	13	-	-
TOTAL SCALLOPS.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,474	[illegible]	[illegible]	[illegible]	[illegible]
SQUID	1,929	202	[illegible]	[illegible]	389	20	[illegible]	2	56	9
SEA URCHINS	51	[illegible]	-	-	-	-	-	-	-	-
TERRAPIN.	-	-	3	1	4	[illegible]	-	-	1)	1)
TURTLES:										
BABY.	-	-	-	-	-	-	-	-	1)	3
GREEN	-	-	-	-	-	-	1)	1)	14	3
LOGGERHEAD.	-	-	1)	1	-	-	-	-	1	1)
SNAPPER	-	-	[illegible]	11	[illegible]	42	15	[illegible]	22	-
SOFT-SHELL.	-	-	-	-	-	-	128	1)	-	-
UNCLASSIFIED. . . .	-	-	1	1)	-	-	-	-	-	-
TOTAL TURTLES .	-	-	[illegible]	11	[illegible]	42	146	13	[illegible]	13
FROGS	-	-	-	-	-	-	-	-	11	8
IRISH MOSS.	5,100	152	-	-	-	-	-	-	-	-
SPONGES	-	-	-	-	-	-	21	[illegible]	[illegible]	293
BLOODWORMS.	[illegible]	[illegible]	-	-	-	-	-	-	-	-
SANDWORMS	783	[illegible]	-	-	-	-	-	-	-	-
TOTAL SHELLFISH, ETC.	[illegible]	44,145	60,931	20,351	103,477	28,106	75,882	24,668	263,404	117,600
GRAND TOTAL . .	[illegible]	[illegible]	137,864	25,538	354,082	36,110	318,709	36,357	1,614,506	152,320

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES.	-	-	29,248	332	-	-	-	-	[illegible]	1,403
AMBERJACK	-	-	-	-	-	-	70	26	[illegible]	32
ANCHOVIES	[illegible]	1,363	-	-	-	-	-	-	135,641	1,364
ANGELFISH	-	-	-	-	-	-	-	-	12	1)
ANGLERFISH.	-	-	-	-	-	-	-	-	168	10
ARTIC CHAR.	-	1	-	-	-	-	-	-	[illegible]	1
BALLYHOO.	-	-	-	-	-	-	-	-	361	[illegible]
BARRACUDA	75	[illegible]	-	-	-	-	6	2	81	19
BILLFISH.	-	-	-	-	-	-	-	-	1)	1)
BLUE PIKE	-	-	1)	1)	-	-	-	-	1)	1)
BLUEFISH.	-	-	-	-	-	-	-	-	[illegible]	709
BLUE RUNNER	-	-	-	-	-	-	-	-	1,643	61
BONITO.	[illegible]	[illegible]	-	-	-	-	-	-	17,419	62
BOWFIN.	-	-	[illegible]	1)	[illegible]	5	-	-	142	9
BUFFALOFISH	-	-	33	8	[illegible]	2,172	-	-	[illegible]	2,306
BURBOT.	-	-	312	12	52	5	-	-	364	17
BUTTERFISH.	-	-	-	-	-	-	-	-	[illegible]	584
CABEZONE.	26	1	-	-	-	-	-	-	[illegible]	[illegible]
CABIO	-	-	-	-	-	-	-	-	63	[illegible]
CABRILLA.	6	1	-	-	-	-	-	-	[illegible]	1
CARP.	1,559	28	6,507	266	16,781	[illegible]	-	-	[illegible]	574

SEE FOOTNOTES AT END OF TABLE.

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LANDINGS BY REGION, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CATFISH AND BULLHEADS	-	-	1,040	322	11,[illegible]	2,971	-	-	33,143	[illegible]
CHUBS	-	-	10,156	1,550	37	1	-	-	10,193	1,551
CIGARFISH	-	-	-	-	-	-	-	-	305	[illegible]
COD	3,900	230	-	-	-	-	-	-	61,410	5,013
CRAPPIE	-	-	12	3	54	12	-	-	66	15
CREVALLE.	-	-	-	-	-	-	101	54	886	[illegible]
CROAKER	-	-	-	-	-	-	-	-	6,739	[illegible]
CUSK.	-	-	-	-	-	-	-	-	1,074	[illegible]
DOLPHIN	-	-	-	-	-	-	52	54	113	[illegible]
DRUM:										
BLACK	-	-	-	-	-	-	-	-	1,502	150
RED	-	-	-	-	-	-	-	-	2,230	465
EELS:										
COMMON.	-	-	38	10	1	1	-	-	1,911	340
CONGER.	-	-	-	-	-	-	1	1	12	1
FLOUNDERS	41,229	3,511	-	-	-	-	-	-	162,275	19,913
FLYING FISH	100	15	-	-	-	-	-	-	100	15
FRIGATE MACKEREL. . .	-	-	-	-	-	-	-	-	8	1
GARFISH	-	-	-	-	1,000	75	-	-	1,587	111
GIZZARD SHAD.	-	-	24	1	825	28	-	-	867	29
GOATFISH.	-	-	-	-	3	1	[illegible]	[illegible]	141	59
GOLDFISH.	-	-	99	3	-	-	-	-	99	3
GROUPER	255	[illegible]	-	-	-	-	-	-	5,115	[illegible]
GRUNT	-	-	-	-	-	-	-	-	343	44
HADDOCK	-	-	-	-	-	-	-	-	[illegible]	[illegible]
HAKE:										
PACIFIC	5,55[illegible]	[illegible]	-	-	-	-	-	-	[illegible]	[illegible]
RED	-	-	-	-	-	-	-	-	1,150	[illegible]
WHITE	-	-	-	-	-	-	-	-	3,035	[illegible]
HALFMOON.	27	[illegible]	-	-	-	-	-	-	[illegible]	[illegible]
HALIBUT	33,205	8,937	-	-	-	-	-	-	33,416	9,046
HARDHEAD.	10	2	-	-	-	-	-	-	10	2
HARVESTFISH	-	-	-	-	-	-	-	-	[illegible]	3
HERRING:										
LAKE.	-	-	2,321	296	-	-	-	-	2,321	296
SEA	21,682	531	-	-	-	-	-	-	91,643	[illegible]
THREAD.	-	-	-	-	-	-	-	-	10,330	125
HICKORY SHAD.	-	-	-	-	-	-	-	-	242	12
HOGCHOKER	-	-	-	-	-	-	-	-	[illegible]	[illegible]
HOGFISH	-	-	-	-	-	-	-	-	19	4
JACK MACKEREL	51,921	[illegible]	-	-	-	-	210	104	52,131	[illegible]
JEWFISH	-	-	-	-	-	-	-	-	[illegible]	19
KING CROAKER.	521	41	-	-	-	-	-	-	521	41
KING WHITING OR "KINGFISH"	-	-	-	-	-	-	-	-	3,649	[illegible]
LAKE TROUT.	19	4	294	173	-	-	-	-	313	177
LAUNCE.	-	-	-	-	-	-	-	-	[illegible]	[illegible]
LINGCOD	6,316	408	-	-	-	-	-	-	6,316	408
MACKEREL:										
ATLANTIC.	-	-	-	-	-	-	-	-	[illegible]	484
KING.	-	-	-	-	-	-	-	-	[illegible]	1,016
PACIFIC	2,357	122	-	-	-	-	-	-	2,357	122
SPANISH	-	-	-	-	-	-	-	-	10,018	1,243
TOTAL MACKEREL.	2,357	122	-	-	-	-	-	-	28,38[illegible]	2,86[illegible]
MARLIN.	-	-	-	-	-	-	467	[illegible]	467	[illegible]
MENHADEN.	-	-	-	-	-	-	-	-	1,545,529	23,474
MINNOWS	-	-	-	-	23	[illegible]	-	-	23	[illegible]
MOJARRA	-	-	-	-	-	-	-	-	[illegible]	33
MOONEYE	-	-	1	1	495	153	-	-	495	153
MULLET.	-	-	-	-	-	-	15	21	[illegible]	2,854
OCEAN PERCH:										
ATLANTIC.	-	-	-	-	-	-	-	-	55,618	2,306
PACIFIC	13,296	745	-	-	-	-	-	-	13,296	745
OCEAN POUT.	-	-	-	-	-	-	-	-	1	(1)
OPALEYE	16	3	-	-	-	-	-	-	16	3
PADDLEFISH.	-	-	-	-	400	39	-	-	407	40
PERCH	402	69	-	-	-	-	-	-	402	69
PERMIT.	-	-	-	-	-	-	-	-	13	1
PIGFISH	-	-	-	-	-	-	-	-	247	20
PIKE OR PICKEREL. . .	1	(1)	102	10	22	3	-	-	131	14
POLLOCK	558	10	-	-	-	-	-	-	9,131	523
POMPANO	217	47	-	-	-	-	-	-	1,219	1,006
QUILLBACK	-	-	28	1	316	15	-	-	344	16
RATFISH	1,053	8	-	-	-	-	-	-	1,053	8
ROCK BASS	-	-	14	4	-	-	-	-	14	4
ROCKFISHES.	32,996	2,012	-	-	-	-	-	-	32,996	2,012
RUDDERFISH.	-	-	-	-	-	-	9	4	9	4
SABLEFISH	6,090	521	-	-	-	-	-	-	6,090	521

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LANDINGS BY REGION, 1969 - Continued

THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SALMON:										
CHINOOK OR KING . .	28,028	12,528	-	-	-	-	-	-	28,028	12,528
CHUM OR KETA. . . .	24,816	3,559	-	-	-	-	-	-	24,816	3,559
PINK.	112,214	16,892	-	-	-	-	-	-	112,214	16,892
RED OR SOCKEYE. . .	81,444	22,230	-	-	62	34	-	-	81,506	22,264
SILVER OR COHO. . .	21,326	7,686	1,144	39	-	-	-	-	22,470	7,725
TOTAL SALMON. .	267,828	62,895	1,144	39	62	34	-	-	269,034	62,968
SAND PERCH.	-	-	-	-	-	-	-	-	(1)	(1)
SARDINE, PACIFIC. . .	105	14	-	-	-	-	1	(1)	106	14
SAUGER.	-	-	12	1	-	-	-	-	12	1
SAWFISH	-	-	-	-	-	-	-	-	3	(1)
SCULPIN	119	33	-	-	-	-	-	-	119	33
SCUP OR PORGY	-	-	-	-	-	-	-	-	11,035	1,998
SEA BASS:										
BLACK (ATLANTIC). .	-	-	-	-	-	-	-	-	4,572	923
BLACK (PACIFIC) . .	155	30	-	-	-	-	21	13	176	43
WHITE	1,099	351	-	-	-	-	-	-	1,099	351
SEA CATFISH	-	-	-	-	-	-	-	-	441	29
SEA ROBIN	-	-	-	-	-	-	-	-	229	5
SEA TROUT OR WEAKFISH:										
GRAY.	-	-	-	-	-	-	-	-	4,750	386
SPOTTED	-	-	-	-	-	-	-	-	5,530	1,587
WHITE	-	-	-	-	-	-	-	-	1,174	73
SHAD.	610	73	-	-	745	26	-	-	7,343	932
SHARKS:										
GRAYFISH.	655	5	-	-	-	-	-	-	905	22
SOUPFIN	13	(1)	-	-	-	-	-	-	13	(1)
UNCLASSIFIED. . . .	478	52	-	-	-	-	-	-	636	56
TOTAL SHARKS. .	1,146	57	-	-	-	-	-	-	1,554	78
SHEEFISH.	7	1	-	-	-	-	-	-	7	1
SHEEPSHEAD:										
FRESH-WATER	-	-	2,074	103	4,397	296	-	-	6,758	427
SALT-WATER.	13	1	-	-	-	-	-	-	1,363	112
SILVERSIDES	-	-	-	-	-	-	-	-	72	13
SKATES.	646	11	-	-	-	-	-	-	789	18
SMELT	1,724	174	3,614	116	-	-	-	-	5,521	344
SNAPPERS:										
LANE.	-	-	-	-	-	-	-	-	18	4
MANGROVE.	-	-	-	-	-	-	-	-	586	157
MUTTON.	-	-	-	-	-	-	-	-	212	84
RED	-	-	-	-	-	-	65	87	10,278	4,464
VERMILION	-	-	-	-	-	-	-	-	141	56
YELLOWTAIL.	-	-	-	-	-	-	-	-	970	393
UNCLASSIFIED. . . .	-	-	-	-	-	-	147	95	147	95
SPADEFISH	-	-	-	-	-	-	-	-	(1)	(1)
SPANISH SARDINES. . .	-	-	-	-	-	-	-	-	360	14
SPOT.	-	-	-	-	-	-	1	(1)	4,251	560
STEELHEAD TROUT . . .	680	212	-	-	-	-	-	-	680	212
STRIPED BASS.	39	6	-	-	-	-	-	-	12,437	2,493
STURGEON:										
COMMON.	634	92	3	4	-	-	-	-	875	125
SHOVELNOSE, ETC.. .	-	-	-	-	72	17	-	-	72	17
SUCKERS	7	(1)	1,242	40	2,035	82	-	-	3,286	122
SUNFISH	-	-	8	1	-	-	-	-	12	1
SWELLFISH	-	-	-	-	-	-	-	-	5,058	172
SWORDFISH	1,032	511	-	-	-	-	14	3	1,424	696
TAUTOG.	-	-	-	-	-	-	-	-	135	7
TENPOUNDER.	-	-	-	-	-	-	2	(1)	1,195	35
THIMBLE-EYED MACKEREL	-	-	-	-	-	-	-	-	1	(1)
TILEFISH.	-	-	-	-	-	-	-	-	72	11
TOMCOD.	215	3	-	-	-	-	-	-	215	3
TRIGGERFISH	-	-	-	-	-	-	3	1	27	3
TRIPLETAIL.	-	-	-	-	-	-	-	-	6	(1)
TULLIBEE.	-	-	1,045	37	1	(1)	-	-	1,046	37
TUNA:										
ALBACORE.	48,111	10,517	-	-	-	-	27	12	48,138	10,529
BLUEFIN	15,235	2,405	-	-	-	-	[2] 710	[2] 674	18,648	3,460
LITTLE.	-	-	-	-	-	-	37	10	53	11
SKIPJACK.	46,026	6,176	-	-	-	-	5,954	1,245	51,980	7,421
YELLOWFIN	205,651	33,202	-	-	-	-	412	236	206,063	33,438
UNCLASSIFIED. . . .	-	-	-	-	-	-	-	-	2	(1)
TOTAL TUNA. . .	315,023	52,300	-	-	-	-	7,140	2,177	324,884	54,859
TURBOT.	25	1	-	-	-	-	-	-	25	1
WAHOO	-	-	-	-	-	-	29	9	29	9
WARSAW.	-	-	-	-	-	-	-	-	206	27
WHITEBAIT	161	16	-	-	-	-	-	-	161	16
WHITE BASS.	-	-	1,221	365	5	1	-	-	1,226	366

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY REGION, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WHITEFISH:										
COMMON.	34	3	2,360	1,421	24	9	-	-	2,418	1,433
MENOMINEE	-	-	178	39	-	-	-	-	178	39
WHITE PERCH	-	-	60	7	-	-	-	-	3,172	494
WHITING	-	-	-	-	-	-	-	-	45,328	2,641
WOLFISH	-	-	-	-	-	-	-	-	523	24
YELLOW BASS	-	-	-	-	23	2	-	-	23	2
YELLOW PERCH.	-	-	4,926	678	506	137	-	-	5,584	834
YELLOW PIKE	-	-	421	218	657	230	-	-	1,078	448
YELLOWTAIL.	234	29	-	-	-	-	-	-	234	29
UNCLASSIFIED:										
FOR FOOD.	260	78	-	-	1	(1)	951	395	13,034	1,565
FOR BAIT, REDUCTION, AND ANIMAL FOOD. .	2,659	55	-	-	-	-	-	-	173,289	2,522
TOTAL FISH. . .	979,697	138,831	68,536	6,060	57,052	6,981	9,385	3,361	3,519,250	251,266
SHELLFISH, ETC.										
CRABS:										
BLUE:										
HARD.	-	-	-	-	-	-	-	-	132,255	12,459
SOFT AND PEELER .	-	-	-	-	-	-	-	-	4,524	1,846
DUNGENESS	48,055	11,047	-	-	-	-	-	-	48,055	11,047
GREEN	-	-	-	-	-	-	-	-	54	6
KING.	57,730	15,644	-	-	-	-	-	-	57,730	15,644
ROCK.	500	55	-	-	-	-	-	-	2,075	163
SNOW.	11,207	1,133	-	-	-	-	-	-	11,207	1,133
STONE	-	-	-	-	-	-	-	-	1,366	756
UNCLASSIFIED. . . .	-	-	-	-	-	-	59	65	59	65
TOTAL CRABS . .	117,492	27,879	-	-	-	-	59	65	257,325	43,119
ARTEMIA (BRINE SHRIMP) EGGS	-	-	-	-	58	25	-	-	58	25
CRAWFISH, FRESH-WATER	11	6	-	-	4,865	965	-	-	7,903	1,571
HORSESHOE CRABS . . .	-	-	-	-	-	-	-	-	11	1
LIMPET.	-	-	-	-	-	-	4	18	4	18
LOBSTERS:										
NORTHERN.	-	-	-	-	-	-	-	-	33,787	28,998
SLIPPER	-	-	-	-	-	-	(1)	(1)	(1)	(1)
SPINY	309	347	-	-	-	-	8	10	8,781	6,310
SHRIMP.	62,527	3,739	-	-	2	1	1	1	318,537	124,467
ABALONE	732	1,161	-	-	-	-	-	-	732	1,161
CLAMS:										
HARD.	445	213	-	-	-	-	-	-	16,154	13,445
OCEAN QUAHOG. . . .	-	-	-	-	-	-	-	-	639	99
RANGIA.	-	-	-	-	-	-	-	-	40	13
RAZOR	203	140	-	-	-	-	-	-	205	142
SOFT.	-	-	-	-	-	-	-	-	13,481	5,554
SUNRAY VENUS. . . .	-	-	-	-	-	-	-	-	636	65
SURF.	-	-	-	-	-	-	-	-	49,575	5,913
MIXED	15	7	-	-	-	-	-	-	15	7
TOTAL CLAMS . .	663	360	-	-	-	-	-	-	80,745	25,238
CONCHS.	-	-	-	-	-	-	-		988	192
MUSSELS, SEA.	-	-	-	-	-	-	-	-	1,113	109
MUSSEL SHELLS	-	-	-	-	7,106	565	-	-	7,106	565
OCTOPUS	35	3	-	-	-	-	5	4	40	7
OYSTERS, MARKET:										
EASTERN:										
PUBLIC.	-	-	-	-	-	-	-	-	30,789	16,576
PRIVATE	17	50	-	-	-	-	-	-	14,454	8,401
PACIFIC	6,916	2,442	-	-	-	-	-	-	6,916	2,442
WESTERN	40	120	-	-	-	-	-	-	40	120
TOTAL OYSTERS .	6,973	2,612	-	-	-	-	-	-	52,199	27,539
PERIWINKLES AND COCKLES.	-	-	-	-	-	-	-	-	43	9
SCALLOPS:										
BAY	-	-	-	-	-	-	-	-	2,114	2,413
CALICO.	-	-	-	-	-	-	-	-	199	181
SEA	1,902	1,553	-	-	-	-	-	-	9,312	9,658
TOTAL SCALLOPS.	1,902	1,553	-	-	-	-	-	-	11,625	12,252
SQUID	20,779	555	-	-	-	-	3	2	24,093	861
MOLLUSKS, UNCLASSIFIED	6	13	-	-	-	-	-	-	6	13
SEA URCHINS	-	-	-	-	-	-	-	-	81	6
TERRAPIN.	-	-	-	-	-	-	-	-	6	4
TREPANG	-	-	-	-	-	-	1	1	1	1

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY REGION, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	PACIFIC		GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		HAWAII		TOTAL	
SHELLFISH, ETC.-CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
TURTLES:										
BABY.	-	-	-	-	4	39	-	-	4	42
GREEN	-	-	-	-	-	-	-	-	14	3
LOGGERHEAD.	-	-	-	-	-	-	-	-	1	(1)
SLIDER.	-	-	-	-	86	3	-	-	86	3
SNAPPER	-	-	-	-	114	24	-	-	439	87
SOFT-SHELL.	-	-	-	-	-	-	-	-	128	10
UNCLASSIFIED. . . .	-	-	-	-	1	(1)	7	3	9	3
TOTAL TURTLES .	-	-	-	-	205	66	7	3	681	148
FROGS	-	-	-	-	75	53	-	-	86	61
KELP (WITH HERRING EGGS).	15	23	-	-	-	-	-	-	15	23
IRISH MOSS.	-	-	-	-	-	-	-	-	5,100	152
SEAWEED	-	-	-	-	-	-	70	18	70	18
SPONGES	-	-	-	-	-	-	-	-	58	363
BLOODWORMS.	-	-	-	-	-	-	-	-	783	1,001
SANDWORMS	-	-	-	-	-	-	-	-	783	666
TOTAL SHELLFISH, ETC.	211,444	38,257	-	-	12,311	1,675	158	122	812,760	274,924
WHALE PRODUCTS:										
MEAL.	1,689	101	-	-	-	-	-	-	1,689	101
MEAT.	1,368	123	-	-	-	-	-	-	1,368	123
OIL:										
SPERM	409	25	-	-	-	-	-	-	409	25
WHALE	1,327	79	-	-	-	-	-	-	1,327	79
TOTAL WHALE PRODUCTS . . .	4,793	328	-	-	-	-	-	-	4,793	328
GRAND TOTAL . .	1,195,934	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1/ LESS THAN 500 POUNDS OR $500.

2/ INCLUDES DATA ON THE LANDINGS OF BIGEYE TUNA.

LANDINGS OF CATCH BY GEAR, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	NEW ENGLAND		MIDDLE ATLANTIC	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	384	19	1,657	329
STOP NETS AND SEINES	10,683	229	-	-
PURSE SEINES	47,755	1,106	41,586	756
BAG NETS	54	13	-	-
OTTER TRAWLS	425,338	40,306	29,009	4,697
WEIRS	8,437	179	78	28
POUND NETS	3,245	237	4,188	335
FLOATING TRAPS	4,680	571	-	-
FYKE AND HOOP NETS	4	1	55	7
POTS AND TRAPS	27,694	21,949	2,978	1,590
GILL NETS	5,049	446	1,794	265
HOOKS AND BAITS	10,501	1,265	475	80
DIP NETS	1,857	93	-	-
HARPOONS	236	108	1	(6)
SPEARS	26	6	73	15
DREDGES	7,942	7,787	48,034	10,289
TONGS AND RAKES 5/	7,054	1,882	7,046	6,666
HOES AND FORKS	7,244	4,331	37	18
HOOKS	-	-	1	(6)
DIVING OUTFITS	40	41	-	-
BY HAND	43	9	852	463
TOTAL	568,266	80,578	137,864	25,538

GEAR	CHESAPEAKE		SOUTH ATLANTIC	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	4,404	326	8,179	811
PURSE SEINES	161,719	2,345	168,744	2,581
BAG NETS	-	-	405	195
OTTER TRAWLS	10,116	1,707	46,256	18,080
POUND NETS	57,878	1,986	19,324	532
FYKE AND HOOP NETS	4,369	201	487	94
POTS AND TRAPS	41,177	4,104	37,490	6,305
GILL NETS	9,749	1,357	16,636	2,415
TRAMMEL NETS	-	-	170	116
HOOKS AND BAITS	12,796	1,510	15,780	3,248
DIP NETS	132	39	2,096	40
CAST NETS	-	-	1	(6)
SPEARS	-	-	58	20
SCRAPES	2,371	897	-	-
DREDGES	31,533	10,765	1,135	761
TONGS AND RAKES 5/	17,523	10,675	1,140	682
HOOKS	8	1	28	71
BY HAND	307	197	780	406
TOTAL	354,082	36,110	318,709	36,357

GEAR	GULF		PACIFIC	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	11,777	978	1/ 3,576	1/ 346
PURSE SEINES	1,160,874	17,425	626,892	66,597
BUTTERFLY NETS	1,380	524	-	-
BEAM TRAWLS	-	-	1,666	76
OTTER TRAWLS	305,351	103,641	169,324	10,821
MID-WATER TRAWLS	-	-	8,529	68
WEIRS	-	-	47	15
POUND NETS	-	-	85	33
FLOATING TRAPS	-	-	134	27
FYKE AND HOOP NETS	1,542	330	-	-
POTS AND TRAPS	37,106	7,362	118,128	28,287
GILL NETS	34,325	3,848	110,167	28,008
TRAMMEL NETS	12,060	1,842	(2)	(2)
HOOKS AND BAITS	28,389	7,549	137,976	36,121
DIP NETS	1,001	156	3/ 2,558	3/ 211
REEF NETS	-	-	709	249
WHEELS	-	-	15	4
CAST NETS	5	(6)	-	-
HARPOONS	-	-	5,852	837
SPEARS	78	22	-	-
DREDGES	13,816	5,598	4/ 8,698	4/ 4,105
TONGS AND RAKES 5/	6,569	2,632	359	147
SHOVELS	-	-	473	281
BUSH TRAPS	78	64	-	-
GRABS	11	8	-	-
HOOKS	14	59	-	-
DIVING OUTFITS	23	234	731	1,161
BY HAND	107	48	15	22
TOTAL	1,614,506	152,320	1,195,934	177,416

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS OF CATCH BY GEAR, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	7,449	587	11,757	630
OTTER TRAWLS	14,715	194	845	27
WEIRS	1,129	34	1,466	54
POUND NETS	18,859	463	1	(6)
TRAP NETS	4,854	1,153	1,106	51
FYKE AND HOOP NETS	673	59	14,016	1,809
POTS AND TRAPS	-	-	6,339	1,204
SLAT TRAPS	-	-	67	17
GILL NETS	20,661	3,507	10,932	1,577
TRAMMEL NETS	-	-	8,555	1,007
HOOKS AND BAITS	196	63	5,576	1,547
ELECTRICAL DEVICES	-	-	12	1
DIP NETS	-	-	1,547	141
TONGS AND RAKES 5/	-	-	37	26
CROWFOOT BARS	-	-	3,583	284
DIVING OUTFITS	-	-	2,159	158
BY HAND	-	-	1,365	123
TOTAL	68,536	6,060	69,363	8,656

GEAR	HAWAII		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES	95	38	49,278	4,064
STOP NETS AND SEINES	-	-	10,683	229
PURSE SEINES	-	-	2,207,570	90,810
BAG NETS	574	223	1,033	431
BUTTERFLY NETS	-	-	1,380	524
BEAM TRAWLS	-	-	1,666	76
OTTER TRAWLS	-	-	1,000,954	179,473
MID-WATER TRAWLS	-	-	8,529	68
WEIRS	-	-	11,157	310
POUND NETS	-	-	103,580	3,586
TRAP NETS	-	-	5,960	1,204
FLOATING TRAPS	-	-	4,814	598
FYKE AND HOOP NETS	-	-	21,146	2,501
POTS AND TRAPS	77	42	270,989	70,843
SLAT TRAPS	-	-	67	17
GILL NETS	106	67	209,419	41,490
TRAMMEL NETS	-	-	20,785	2,965
HOOKS AND BAITS	8,441	2,962	220,130	54,345
ELECTRICAL DEVICES	-	-	12	1
DIP NETS	-	-	9,191	680
LIFT NETS	122	82	122	82
REEF NETS	-	-	709	249
WHEELS	-	-	15	4
CAST NETS	9	5	15	5
HARPOONS	-	-	6,089	945
SPEARS	4	3	239	66
SCRAPES	-	-	2,371	897
DREDGES	-	-	111,158	39,305
TONGS AND RAKES 5/	-	-	39,728	22,710
HOES AND FORKS	-	-	7,281	4,349
SHOVELS	-	-	473	281
BUSH TRAPS	-	-	78	64
CROWFOOT BARS	-	-	3,583	284
GRABS	-	-	11	8
HOOKS	-	-	51	131
DIVING OUTFITS	-	-	2,953	1,594
BY HAND	5	19	3,474	1,287
UNCLASSIFIED GEAR	110	42	110	42
TOTAL	9,543	3,483	4,336,803	526,518

1/ LANDINGS BY HAUL SEINES IN ALASKA AND BY LAMPARA NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH PURSE SEINES.

2/ LANDINGS BY TRAMMEL NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH GILL NETS.

3/ LANDINGS BY BRAIL OR SCOOP NETS IN CALIFORNIA HAVE BEEN INCLUDED WITH DIP NETS.

4/ LANDINGS BY HAND IN WASHINGTON AND OREGON HAVE BEEN INCLUDED WITH LANDINGS BY DREDGES. IN CALIFORNIA THIS CATCH HAS BEEN INCLUDED WITH TONGS.

5/ INCLUDES LANDINGS BY OYSTER GRABS.

6/ LESS THAN $500.

LANDINGS FROM WATERS OFF THE UNITED STATES AND ON THE HIGH SEAS OFF FOREIGN COASTS, 1969

THOUSANDS OF POUNDS)

AREA AND SPECIES	WATERS OFF U.S. COASTS	HIGH SEAS OFF FOREIGN COASTS	TOTAL
	QUANTITY	QUANTITY	QUANTITY
ATLANTIC AND GULF STATES:			
NEW ENGLAND:			
COD	54,222	2,669	56,891
CUSK	986	88	1,074
FLOUNDERS	99,464	263	99,727
HADDOCK	41,656	4,153	45,809
HAKE, WHITE	2,923	100	3,023
HALIBUT	166	45	211
OCEAN PERCH	26,458	29,360	55,818
POLLOCK	7,743	1,325	9,068
WOLFFISH	421	102	523
UNCLASSIFIED	296,063	59	296,122
TOTAL	530,102	38,164	568,266
MIDDLE ATLANTIC STATES, UNCLASSIFIED, TOTAL	137,864	-	137,864
CHESAPEAKE STATES, UNCLASSIFIED, TOTAL	354,082	-	354,082
SOUTH ATLANTIC STATES, UNCLASSIFIED, TOTAL	318,709	-	318,709
GULF:			
GROUPER	7,001	643	7,644
SNAPPER, RED	6,610	2,938	9,548
WARSAW	137	38	175
SHRIMP	186,664	13,765	200,429
LOBSTERS, SPINY	247	4,406	4,653
UNCLASSIFIED	1,392,006	51	1,392,057
TOTAL	1,592,665	21,841	1,614,506
TOTAL ATLANTIC AND GULF STATES	2,933,422	60,005	2,993,427
PACIFIC COAST STATES:			
ALASKA, WASHINGTON, AND OREGON:			
BOTTOMFISH (WASHINGTON AND OREGON) 1/	29,986	41,112	71,098
HALIBUT	31,914	1,291	33,205
SALMON	261,214	463	261,677
TUNA, ALBACORE	33,155	234	33,389
UNCLASSIFIED	217,786	177	217,963
TOTAL	574,055	43,277	617,332
CALIFORNIA:			
BARRACUDA	71	4	75
BONITO	13,175	4,027	17,202
CABRILLA	-	6	6
FLOUNDERS	23,424	2	23,426
GROUPER	-	255	255
PERCH	154	2	156
ROCKFISHES	9,071	156	9,227
SCULPIN	75	41	116
SEA BASS:			
BLACK	8	147	155
WHITE	251	848	1,099
SHARKS, UNCLASSIFIED	452	26	478
SHEEPSHEAD	12	1	13
SWORDFISH	1,025	7	1,032
TUNA:			
ALBACORE	14,189	533	14,722
BLUEFIN	798	14,437	15,235
SKIPJACK	74	45,840	45,914
YELLOWFIN	1	204,391	204,392
TOTAL TUNA	15,062	265,201	280,263
WHITEFISH	2	2	4
YELLOWTAIL	12	222	234
UNCLASSIFIED	244,860	1	244,861
TOTAL	307,654	270,948	578,602
TOTAL PACIFIC COAST STATES	881,709	314,225	1,195,934
GREAT LAKES AND MISSISSIPPI RIVER STATES, UNCLASSIFIED, TOTAL	137,899	-	137,899
HAWAII, UNCLASSIFIED, TOTAL	9,543	-	9,543
GRAND TOTAL	3,962,573	374,230	4,336,803

1/ PRINCIPALLY COD, FLOUNDERS (INCLUDING SOLE), LINGCOD, OCEAN PERCH, ROCKFISHES, AND SABLEFISH.

LANDINGS USED FOR HUMAN FOOD AND INDUSTRIAL PRODUCTS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ITEM	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FOR HUMAN FOOD, TOTAL . . .	464,272	77,624	91,834	24,538	165,966	32,352
FOR INDUSTRIAL PRODUCTS:						
ANIMAL FOOD, FRESH AND FROZEN	1,086	30	123	4	1,771	15
BAIT, FRESH AND FROZEN. .	16,670	1,925	5,655	219	21,108	1,118
CANNED ANIMAL FOOD. . . .	34,400	452	-	-	3,022	30
REDUCTION TO MEAL, OIL, ETC.	46,732	394	40,252	777	162,215	2,595
OTHER	5,106	153	-	-	-	-
TOTAL	103,994	2,954	46,030	1,000	188,116	[illegible]
GRAND TOTAL	568,266	80,578	137,864	25,538	354,082	36,110

ITEM	SOUTH ATLANTIC		GULF		PACIFIC 1/	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FOR HUMAN FOOD, TOTAL . . .	143,529	33,708	355,561	132,791	1,004,625	177,439
FOR INDUSTRIAL PRODUCTS:						
ANIMAL FOOD, FRESH AND FROZEN	72	(2)	13,795	193	9,307	280
BAIT, FRESH AND FROZEN. .	5,750	115	7,934	307	19,708	765
CANNED ANIMAL FOOD. . . .	20	(2)	76,385	1,441	19,572	740
REDUCTION TO MEAL, OIL, ETC.	169,317	2,465	1,160,793	17,295	152,265	1,675
OTHER	21	69	38	293	-	-
TOTAL	175,180	2,649	1,258,945	19,529	200,852	3,460
GRAND TOTAL	318,709	36,357	1,614,506	152,320	1,205,477	180,899

ITEM	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FOR HUMAN FOOD, TOTAL . . .	36,044	5,499	59,345	7,941	2,321,176	491,892
FOR INDUSTRIAL PRODUCTS:						
ANIMAL FOOD, FRESH AND FROZEN.	3,244	34	1	(2)	29,399	556
BAIT, FRESH AND FROZEN. .	-	-	2,703	121	79,528	4,570
CANNED ANIMAL FOOD. . . .	17,326	312	205	4	150,930	2,979
REDUCTION TO MEAL, OIL, ETC.	11,922	215	-	-	1,743,496	25,416
OTHER	-	-	7,109	590	12,274	1,105
TOTAL	32,492	561	10,018	715	2,015,627	34,626
GRAND TOTAL	68,536	6,060	69,363	8,656	4,336,803	526,518

1/ INCLUDES HAWAII.

2/ LESS THAN $500.

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY REGIONS, 1969

(THOUSANDS OF POUNDS)

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC 1/	GREAT LAKES	MISSIS-SIPPI RIVER	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES. . .	1,724	-	3,470	3,393	135	-	29,248	-	37,970
ANCHOVIES . .	-	-	-	-	-	134,569	-	-	134,569
ANGLERFISH. .	348	-	-	-	-	-	-	-	348
BALLYHOO. . .	-	-	-	125	236	-	-	-	361
BLUE RUNNER .	-	-	-	2	1,287	-	-	-	1,289
BONITO. . . .	-	-	-	-	-	2,028	-	-	2,028
BUTTERFISH. .	-	72	150	99	-	-	-	-	321
CARP.	-	-	-	-	-	1,113	-	164	1,277
CATFISH AND BULLHEADS. .	-	-	-	-	-	-	-	41	41
CHUBS	-	-	-	-	-	-	209	-	209
CIGARFISH . .	-	-	-	-	305	-	-	-	305
COD	-	-	-	-	-	33	-	-	33
CREVALLE. . .	-	-	-	26	212	-	-	-	238
CROAKER . . .	-	-	-	532	58,464	-	-	-	58,996
DRUM, BLACK .	-	-	-	-	50	-	-	-	50
EEL, COMMON .	4	-	224	-	-	-	-	-	228
FLOUNDERS . .	15,460	-	200	1	-	4,318	-	-	19,979
GIZZARD SHAD.	-	-	-	-	-	-	-	825	825
HAKE:									
PACIFIC	-	-	-	-	-	8,532	-	-	8,532
RED	7,686	75	-	-	-	-	-	-	7,761
HALIBUT . . .	-	-	-	-	-	576	-	-	576
HERRING:									
LAKE. . . .	-	-	-	-	-	-	1	-	1
SEA:									
ATLANTIC.	20,736	435	-	-	-	-	-	-	21,171
PACIFIC .	-	-	-	-	-	14,920	-	-	14,920
THREAD. . .	-	-	-	4,740	5,590	-	-	-	10,330
HOGCHOKER . .	-	-	7	-	-	-	-	-	7
JACK MACKEREL	-	-	-	-	-	14,001	-	-	14,001
KING CROAKER.	-	-	-	-	-	25	-	-	25
KING WHITING OR "KING-FISH". . . .	-	-	-	5	-	-	-	-	5
LAUNCE. . . .	45	-	-	-	-	-	-	-	45
LINGCOD . . .	-	-	-	-	-	100	-	-	100
MACKEREL:									
ATLANTIC. .	3,455	381	-	-	-	-	-	-	3,836
PACIFIC . .	-	-	-	-	-	127	-	-	127
MENHADEN. . .	46	43,755	181,395	164,872	1,155,204	-	-	-	1,545,272
MINNOWS . . .	-	-	-	-	-	-	-	23	23
MULLET. . . .	-	-	-	165	827	-	-	-	992
OCEAN PERCH:									
ATLANTIC. .	456	-	-	-	-	-	-	-	456
PACIFIC . .	-	-	-	-	-	79	-	-	79
OCEAN POUT. .	18,734	-	-	-	-	-	-	-	18,734
PERCH	-	-	-	-	-	77	-	-	77
PIGFISH . . .	-	-	-	51	-	-	-	-	51
POLLOCK . . .	19	-	-	-	-	557	-	-	576
RATFISH . . .	-	-	-	-	-	1,052	-	-	1,052
ROCKFISHES. .	-	-	-	-	-	130	-	-	130
SABLEFISH . .	-	-	-	-	-	113	-	-	113
SALMON. . . .	-	-	-	-	-	267	-	-	267
SARDINES, PACIFIC. . .	-	-	-	-	-	74	-	-	74
SCUP OR PORGY	-	-	300	62	-	-	-	-	362
SEA ROBIN . .	14,328	36	86	-	-	-	-	-	14,450
SEA TROUT OR WEAKFISH:									
GRAY. . . .	-	-	-	6	-	-	-	-	6
WHITE . . .	-	-	-	-	7,398	-	-	-	7,398
SHAD.	-	-	-	-	745	-	-	-	745
SHARKS, UN-CLASSIFIED .	-	-	-	16	5	668	-	-	689
SKATES. . . .	6,528	-	-	-	-	529	-	-	7,057
SMELT	-	-	-	-	-	105	1,989	-	2,094
SPANISH SAR-DINES. . . .	-	-	-	-	360	-	-	-	360
SPOT.	-	-	150	211	7,398	-	-	-	7,759
SWELLFISH . .	-	-	200	-	-	-	-	-	200
TENPOUNDER. .	-	-	-	-	953	-	-	-	953
TOMCOD. . . .	-	-	-	-	-	215	-	-	215
TULLIBEE. . .	-	-	-	-	-	-	1,045	1	1,046
TUNA, ALBA-CORE	-	-	-	-	-	10	-	-	10
WHITING . . .	4,391	34	-	-	-	-	-	-	4,425
UNCLASSIFIED.	3,074	86	1,442	853	19,440	2,658	-	1,797	29,350
TOTAL FISH. .	97,034	44,874	187,624	175,159	1,258,609	186,876	32,492	2,851	1,985,519

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GENERAL REVIEW

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY REGIONS, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	CHESA-PEAKE	SOUTH ATLANTIC	GULF	PACIFIC 1/	GREAT LAKES	MISSIS-SIPPI RIVER	TOTAL
SHELLFISH, ETC.	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:									
BLUE, SOFT AND PEELER	-	-	450	-	-	-	-	-	450
GREEN . . .	54	-	-	-	-	-	-	-	54
ARTEMIA (BRINE SHRIMP) EGGS	-	-	-	-	-	-	-	58	58
HORSESHOE CRABS. . . .	11	-	-	-	-	-	-	-	11
SHRIMP. . . .	-	-	-	-	285	-	-	-	285
CLAMS (MEAT):									
RAZOR . . .	2	-	-	-	-	136	-	-	138
SURF. . . .	13	916	35	-	-	-	-	-	964
MUSSELS, SEA (MEATS). . .	4	-	-	-	-	-	-	-	4
MUSSEL SHELLS, FRESH-WATER.	-	-	-	-	-	-	-	7,106	7,106
SQUID	210	240	7	-	13	9,047	-	-	9,517
TURTLES, BABY	-	-	-	-	-	-	-	3	3
SEA WEEDS AND IRISH MOSS .	5,100	-	-	-	-	-	-	-	5,100
SPONGES . . .	-	-	-	21	38	-	-	-	59
BLOODWORMS. .	763	-	-	-	-	-	-	-	763
SANDWORMS . .	83	-	-	-	-	-	-	-	83
TOTAL, SHELL-FISH, ETC. .	6,960	1,156	492	21	336	9,183	-	7,167	25,315
WHALE PRODUCTS. . . .	-	-	-	-	-	4,793	-	-	4,793
GRAND TOTAL .	103,994	46,030	188,116	175,180	1,258,945	200,852	32,192	10,318	2,015,627

1/ INCLUDES HAWAII.

NOTE:--PARTIALLY ESTIMATED.

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY COMMODITY, 1969

(THOUSANDS OF POUNDS)

SPECIES	ANIMAL FOOD, FRESH AND FROZEN	BAIT, FRESH AND FROZEN	CANNED ANIMAL FOOD	FOR REDUCTION	OTHER	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES:						
ATLANTIC	-	6,272	1,504	946	-	8,722
LAKE	-	-	17,326	11,922	-	29,248
ANCHOVIES	-	637	1,327	132,605	-	134,569
ANGLERFISH	-	-	-	348	-	348
BALLYHOO	-	361	-	-	-	361
BLUE RUNNER	-	1,289	-	-	-	1,289
BONITO	-	-	2,028	-	-	2,028
BUTTERFISH	156	96	-	69	-	321
CARP	1,113	-	164	-	-	1,277
CATFISH AND BULLHEADS	-	-	41	-	-	41
CHUBS	209	-	-	-	-	209
CIGARFISH	-	305	-	-	-	305
COD	-	-	-	33	-	33
CREVALLE	-	238	-	-	-	238
CROAKER	13,826	577	44,225	368	-	58,996
DRUM, BLACK	-	50	-	-	-	50
EEL, COMMON	-	228	-	-	-	228
FLOUNDERS	3,941	777	2,691	12,570	-	19,979
GIZZARD SHAD	-	825	-	-	-	825
HAKE:						
PACIFIC	430	-	302	7,800	-	8,532
RED	85	1,377	2,248	4,051	-	7,761
HALIBUT	-	576	-	-	-	576
HERRING:						
LAKE	1	-	-	-	-	1
SEA:						
ATLANTIC	-	5,828	11,497	3,840	6	21,171
PACIFIC	1,001	6,688	714	6,517	-	14,920
THREAD	-	286	-	10,044	-	10,330
HOGCHOKER	-	7	-	-	-	7
JACK MACKEREL	-	13	13,988	-	-	14,001
KING CROAKER	-	-	25	-	-	25
KING WHITING OR "KINGFISH"	-	-	5	-	-	5
LAUNCE	-	45	-	-	-	45
LINGCOD	11	-	83	6	-	100
MACKEREL:						
ATLANTIC	-	2,481	1,355	-	-	3,836
PACIFIC	-	-	127	-	-	127
MENHADEN	-	24,129	1,518	1,519,625	-	1,545,272
MINNOWS	-	23	-	-	-	23
MULLET	-	992	-	-	-	992
OCEAN PERCH:						
ATLANTIC	-	456	-	-	-	456
PACIFIC	19	-	-	60	-	79
OCEAN POUT	-	-	8,775	9,959	-	18,734
PERCH	-	-	77	-	-	77
PIGFISH	3	12	2	34	-	51
POLLOCK	355	-	-	221	-	576
RATFISH	488	-	-	564	-	1,052
ROCKFISHES	82	10	-	38	-	130
SABLEFISH	48	-	65	-	-	113
SALMON	-	267	-	-	-	267
SARDINES, PACIFIC	-	48	26	-	-	74
SCUP OR PORGY	304	15	-	43	-	362
SEA ROBIN	313	565	1,558	12,014	-	14,450
SEA TROUT OR WEAKFISH:						
GRAY	-	1	5	-	-	6
WHITE	-	471	6,927	-	-	7,398
SHAD	-	745	-	-	-	745
SHARKS, UNCLASSIFIED	61	21	-	607	-	689
SKATES	369	1,180	3,306	2,202	-	7,057
SMELT	1,989	50	55	-	-	2,094
SPANISH SARDINES	-	360	-	-	-	360
SPOT	162	523	6,929	145	-	7,759
SWELLFISH	-	-	-	200	-	200
TENPOUNDER	-	953	-	-	-	953
TOMCOD	107	-	-	108	-	215
TULLIBEE	1,046	-	-	-	-	1,046
TUNA, ALBACORE	-	-	-	10	-	10
WHITING	147	263	3,436	579	-	4,425
UNCLASSIFIED	1,765	6,441	18,601	2,543	-	29,350
TOTAL FISH	28,031	66,481	150,930	1,740,071	6	1,985,519

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS USED FOR INDUSTRIAL PRODUCTS, BY COMMODITY, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	ANIMAL FOOD, FRESH AND FROZEN	BAIT, FRESH AND FROZEN	CANNED ANIMAL FOOD	FOR REDUCTION	OTHER	TOTAL
SHELLFISH, ETC.	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
CRABS:						
BLUE, SOFT AND PEELER . .	-	450	-	-	-	450
GREEN	-	54	-	-	-	54
ARTEMIA (BRINE SHRIMP) EGGS	-	58	-	-	-	58
HORSESHOE CRABS	-	11	-	-	-	11
SHRIMP.	-	265	-	-	-	265
CLAMS: (MEATS)						
RAZOR	-	138	-	-	-	138
SURF.	-	984	-	-	-	984
MUSSELS, SEA (MEATS). . . .	-	4	-	-	-	4
MUSSEL SHELLS, FRESH-WATER.	-	-	-	-	7,106	7,106
SQUID	-	9,517	-	-	-	9,517
TURTLES, BABY	-	-	-	-	3	3
SEAWEEDS AND IRISH MOSS . .	-	-	-	-	5,100	5,100
SPONGES	-	-	-	-	59	59
BLOODWORMS.	-	783	-	-	-	783
SANDWORMS	-	783	-	-	-	783
TOTAL SHELLFISH, ETC.	-	13,047	-	-	12,268	25,315
WHALE PRODUCTS.	1,368	-	-	3,425	-	4,793
GRAND TOTAL	29,399	19,528	150,930	1,743,496	12,274	2,015,627

NOTE:--PARTLY ESTIMATED. THE PRODUCTION OF ANGLERFISH, CROAKER, RED HAKE, OCEAN POUT, SEA ROBIN, WHITE SEA TROUT, SKATES, SPOT, SWELLFISH, AND SPONGES; AND SHAD IN THE GULF AREA AS SHOWN IN THESE TABLES EXCEEDS THE TOTAL CATCH OF EACH SPECIES AS SHOWN IN THE TABULATION ON LANDINGS BY REGION, PAGE 21. IN THAT TABLE THE EXTRA AMOUNTS ARE INCLUDED WITH UNCLASSIFIED FISH FOR BAIT, REDUCTION AND ANIMAL FOOD.

MONTHLY LANDINGS AND UTILIZATION OF FISH AND SHELLFISH, 1969

MONTH	LANDINGS FOR HUMAN FOOD		LANDINGS FOR INDUSTRIAL PRODUCTS 1/		TOTAL	
	MILLION POUNDS	PERCENT	MILLION POUNDS	PERCENT	MILLION POUNDS	PERCENT
JANUARY	111	4.8	28	1.4	139	3.2
FEBRUARY.	126	5.4	21	1.0	147	3.4
MARCH	154	6.6	30	1.5	184	4.2
APRIL	200	8.6	103	5.1	303	7.0
MAY	215	9.3	272	13.5	487	11.2
JUNE.	225	9.7	303	15.0	528	12.2
JULY.	334	14.4	345	17.1	679	15.7
AUGUST.	268	11.6	264	13.1	532	12.3
SEPTEMBER	226	9.7	286	14.2	512	11.8
OCTOBER	190	8.2	157	7.8	347	8.0
NOVEMBER.	142	6.1	119	5.9	261	6.0
DECEMBER.	130	5.6	88	4.4	218	5.0
TOTAL	2,321	100.0	2,016	100.0	4,337	100.0

1/ USED FOR MEAL, OIL, SOLUBLES, BAIT, ANIMAL FOOD, AND OTHER NON-HUMAN FOOD PRODUCTS.

RELATIVE VOLUME OF THE LANDINGS, BY SPECIES, 1969

SPECIES	QUANTITY	PERCENT OF TOTAL	RECORD LANDINGS AND YEAR	
	THOUSAND POUNDS	PERCENT	YEAR	THOUSAND POUNDS
MENHADEN	1,545,529	35.6	1962	2,347,944
TUNA	324,884	7.5	1950	403,372
SHRIMP	318,537	7.4	1969	318,537
SALMON	269,034	6.2	1936	643,700
CRABS	257,325	5.9	1966	372,425
INDUSTRIAL FISH 1/	173,289	4.0	1965	265,438
FLOUNDERS	162,275	3.7	1965	180,121
ANCHOVIES	135,641	3.1	1969	135,641
HERRING, SEA:				
ATLANTIC	69,161	1.6	1902	200,598
PACIFIC	21,682	.5	1937	263,200
TOTAL	90,843	2.1	-	-
ALEWIVES	87,259	2.0	1967	101,127
CLAMS	80,745	1.9	1969	80,745
COD:				
ATLANTIC	57,502	1.3	1880	294,351
PACIFIC	3,900	.1	1915	32,681
TOTAL	61,402	1.4	-	-
OCEAN PERCH, ATLANTIC	55,818	1.3	1951	258,320
OYSTERS	52,199	1.2	2/1908	152,046
JACK MACKEREL	52,131	1.2	1952	146,522
HADDOCK	45,829	1.1	1929	293,809
WHITING	45,328	1.0	1957	133,041
MULLET	34,706	.8	1902	43,385
LOBSTERS, NORTHERN	33,787	.8	1969	33,787
HALIBUT, PACIFIC	33,205	.8	1915	66,696
CATFISH AND BULLHEADS	33,193	.8	1963	38,614
ROCKFISHES	32,996	.8	1945	57,686
MACKERELS	28,386	.7	(3)	(3)
CARP	25,316	.6	1908	43,659
SQUID	24,093	.6	1946	40,266
BUFFALOFISH	17,599	.4	1950	25,873
BONITO	17,419	.4	1967	21,268
OCEAN PERCH, PACIFIC	13,296	.3	1965	28,352
STRIPED BASS	12,437	.3	1969	12,437
SCUP OR PORGY	11,035	.3	1960	49,229
HERRING, THREAD	10,330	.2	1967	18,963
SNAPPER, RED	10,278	.2	1902	23,457
CHUBS	10,193	.2	1960	16,854
POLLOCK	9,631	.2	1938	40,694
SCALLOPS, SEA	9,312	.2	1961	27,461
LOBSTERS, SPINY	8,781	.2	1969	8,781
HAKE, PACIFIC	8,556	.2	1967	28,818
GROUPER	8,443	.2	1965	9,570
CRAWFISH, FRESH-WATER	7,903	.2	1965	8,779
SHAD	7,343	.2	1890	43,000
MUSSEL SHELLS	7,106	.2	1908	81,869
SHEEPSHEAD, FRESH-WATER	6,758	.2	1959	13,644
CROAKER	6,739	.2	1945	64,668
LINGCOD	6,316	.1	1944	14,262
SABLEFISH	6,090	.1	1945	17,750
BLUEFISH	5,978	.1	4/1897	22,673
YELLOW PERCH	5,584	.1	1934	16,282
SEA TROUT OR WEAKFISH, SPOTTED	5,530	.1	1936	8,800
SMELT	5,521	.1	1958	13,303
IRISH MOSS	5,100	.1	1968	7,300
SWELLFISH	5,058	.1	1964	6,114
BUTTERFISH	4,974	.1	1939	17,151
WHALE PRODUCTS 5/	4,793	.1	(3)	(3)
SEA TROUT OR WEAKFISH, GRAY	4,750	.1	1945	41,420
SEA BASS, BLACK (ATLANTIC)	4,572	.1	1952	21,997
SPOT	4,251	.1	1952	15,863
KING WHITING OR "KINGFISH"	3,849	.1	1968	5,708
UNCLASSIFIED	77,528	1.8	-	-
TOTAL	4,336,803	100.0	-	-

1/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.
2/ FIRST YEAR IN WHICH AN OYSTER SURVEY WAS MADE IN ALL REGIONS.
3/ DATA NOT AVAILABLE.
4/ INCLUDES DATA ON NEW ENGLAND LANDINGS IN 1898.
5/ SINCE DATA ARE NOT AVAILABLE ON THE POUNDAGE OF WHALES TAKEN, STATISTICS ON THE YIELD OF THESE MAMMALS REPRESENT THE WEIGHT OF THE WHALE PRODUCTS WHICH INCLUDES MEAL, MEAT, AND OIL.

RELATIVE VALUE OF THE LANDINGS, BY SPECIES, 1969

SPECIES	VALUE	PERCENT OF TOTAL	RECORD VALUE AND YEAR	
	THOUSAND DOLLARS	PERCENT	YEAR	THOUSAND DOLLARS
SHRIMP	124,467	23.6	1969	124,467
SALMON	62,968	12.0	1966	73,595
TUNA	54,859	10.4	1950	63,418
CRABS	43,119	8.2	1968	44,433
LOBSTERS, NORTHERN	28,998	5.5	1969	28,998
OYSTERS	27,539	5.2	1961	33,204
CLAMS	25,238	4.8	1969	25,238
MENHADEN	23,474	4.5	1956	28,425
FLOUNDERS	19,913	3.8	1966	20,170
SCALLOPS, SEA	9,658	1.8	1968	14,976
HALIBUT, PACIFIC	8,937	1.7	1962	11,579
HADDOCK	7,766	1.5	1966	13,943
CATFISH AND BULLHEADS	7,635	1.5	1969	7,635
LOBSTERS, SPINY	6,310	1.2	1969	6,310
COD:				
ATLANTIC	4,838	.9	1969	4,838
PACIFIC	235	.1	1959	664
TOTAL	5,073	1.0	-	-
SNAPPER, RED	4,464	.8	1969	4,464
MACKERELS	2,867	.5	(1)	(1)
MULLET	2,854	.5	1945	4,647
WHITING	2,641	.5	1951	2,903
INDUSTRIAL FISH 2/	2,522	.5	1967	3,136
STRIPED BASS	2,493	.5	1969	2,493
OCEAN PERCH, ATLANTIC	2,366	.4	1951	12,597
BUFFALOFISH	2,306	.4	1952	3,564
JACK MACKEREL	2,071	.4	1952	4,755
ROCKFISHES	2,012	.4	1945	2,648
SCUP OR PORGY	1,998	.4	1966	3,326
HERRING, SEA:				
ATLANTIC	1,205	.2	1948	3,798
PACIFIC	571	.1	1947	2,152
TOTAL	1,776	.3	-	-
GROUPER	1,612	.3	1969	1,612
SEA TROUT OR WEAKFISH, SPOTTED	1,587	.3	1952	1,781
CRAWFISH, FRESH-WATER	1,571	.3	1969	1,571
CHUBS	1,551	.3	1958	2,564
WHITEFISH, COMMON	1,433	.3	1948	3,784
ALEWIVES	1,403	.3	1967	1,551
ANCHOVIES	1,364	.3	1953	1,712
ABALONE	1,161	.2	1969	1,161
POMPANO	1,006	.2	1969	1,006
BLOODWORMS	1,001	.2	1968	1,051
CARP	974	.2	1951	2,007
SHAD	932	.2	1945	2,680
SEA BASS, BLACK (ATLANTIC)	923	.2	1952	5,206
SQUID	881	.2	1947	1,370
YELLOW PERCH	834	.2	1958	1,540
BONITO	827	.2	1947	1,636
CROAKER	757	.1	1945	6,958
OCEAN PERCH, PACIFIC	745	.1	1965	1,334
BLUEFISH	709	.1	1951	760
SWORDFISH	696	.1	1946	1,435
SANDWORMS	666	.1	1969	666
BUTTERFISH	584	.1	1962	1,005
MUSSEL SHELLS	565	.1	(2)	(2)
SPOT	560	.1	1964	1,014
POLLOCK	523	.1	1945	1,819
SABLEFISH	521	.1	1946	1,834
WHITE PERCH	494	.1	1969	494
DRUM, RED	485	.1	1945	728
YELLOW PIKE	448	.1	1951	2,152
UNCLASSIFIED	15,351	2.9	-	-
TOTAL	526,518	100.0	-	-

1/ DATA NOT AVAILABLE.

2/ UNCLASSIFIED SPECIES FOR BAIT, REDUCTION, AND ANIMAL FOOD.

SEED OYSTER FISHERY, 1969

ITEM	NEW ENGLAND, CONNECTICUT		MIDDLE ATLANTIC, NEW JERSEY		CHESAPEAKE, VIRGINIA		TOTAL	
OPERATING UNITS	NUMBER		NUMBER		NUMBER		NUMBER	
FISHERMEN:								
ON VESSELS.	-		548		272		820	
ON BOATS AND SHORE:								
REGULAR	3		69		711		783	
CASUAL.	1		-		196		197	
TOTAL	4		617		1,179		1,800	
VESSELS, MOTOR.	-		50		134		184	
GROSS TONNAGE	-		1,722		1,052		2,774	
BOATS, MOTOR	3		43		629		675	
GEAR:								
DREDGES, COMMON	-		106		-		106	
YARDS AT MOUTH. . . .	-		106		-		106	
TONGS	-		60		1,182		1,242	
LANDINGS	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE	U.S. BUSHELS	VALUE
OYSTERS, SEED:								
PUBLIC:								
SPRING.	-	-	91,500	$225,500	299,317	$408,050	390,817	$633,550
FALL.	221	$824	-	-	137,616	176,208	137,837	177,032
PRIVATE, SPRING	-	-	-	-	5,600	7,968	5,600	7,968
TOTAL	221	824	91,500	225,500	442,533	592,226	534,254	818,550

NOTE:--CONNECTICUT, NEW JERSEY, AND VIRGINIA WERE THE ONLY STATES HAVING SEED OYSTER PRODUCTION. SOME OF THE FISHERMEN ENGAGED IN HARVESTING SEED OYSTERS ALSO FISHED FOR MARKET OYSTERS OF OTHER SPECIES.

GENERAL REVIEW

U.S. LANDINGS, 1969 - LIVE WEIGHT BASIS

In the annual digest it has been the practice of the BCF to show the landings of univalve and bivalve mollusks on the basis of the weight of meats. Insofar as possible, all other fish and shellfish items are shown on a live weight basis.

Since world fishery statistics published by the Food and Agriculture Organization of the United Nations represent the live weight of the catch for all items of fish and shellfish, it has been necessary to provide that organization with information on the domestic catch of all species on a live weight basis. Data released by the Food and Agriculture Organization, therefore, indicate that the 1969 U.S. landings were 1.2 billion pounds greater than the figure appearing in BCF publications. The increase is due to the inclusion of the weight of the shells of univalve and bivalve mollusks in the Food and Agriculture Organization data.

A table is included in this report showing the entire domestic catch on a live weight basis. Information is also published on the catch of fishery products in the principal countries of the world so that the relative importance of the domestic fisheries can be determined. Tables containing these data follow:

U.S. LANDINGS, 1969 - LIVE WEIGHT BASIS

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ITEM	QUANTITY	VALUE
FISH	3,519,250	251,266
SHELLFISH, ETC:		
UNIVALVE AND BIVALVE MOLLUSKS:		
ABALONE	3,634	1,161
CLAMS:		
HARD 1/	125,390	13,510
OCEAN QUAHOG	5,115	99
RANGIA	449	13
RAZOR	489	142
SOFT	67,085	5,554
SURF	251,834	5,913
MIXED	66	7
TOTAL CLAMS	450,428	25,238
CONCHS	3,276	192
LIMPETS	21	18
MUSSELS:		
SEA	5,955	109
FRESH-WATER	7,817	565
OYSTERS, MARKET	740,384	27,539
PERIWINKLES AND COCKLES	180	9
SCALLOP:		
BAY	19,745	2,413
CALICO	2,812	181
SEA	80,010	9,658
UNCLASSIFIED	45	19
TOTAL UNIVALVE AND BIVALVE MOLLUSKS	1,314,307	67,102
CRUSTACEANS	626,344	204,466
OTHER	31,855	3,356
TOTAL SHELLFISH, ETC.	1,972,506	274,924
WHALE PRODUCTS	4,793	328
GRAND TOTAL	5,496,549	526,518

1/ INCLUDES SUNRAY VENUS CLAMS.

WORLD LANDINGS OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1969

World landings of 139.1 billion pounds of fish, crustaceans, mollusks, and other aquatic organisms (live weight) declined slightly compared with 1968--the first decrease in the postwar period. Until 1969, the world catch had trended upward because of the postwar construction of fishing fleets. Despite the slight volume decline in 1969, landings were nearly 60 percent greater than in 1960.

Six nations accounted for 56 percent of the world catch in 1969. Peru, with 14.6 percent, led for the eighth consecutive year followed by Japan with 13.7 percent; the Union of Soviet Socialist Republics, 10.3 percent; China (Mainland), 9.2 percent, and the United States and Norway with 3.9 percent each. In 1969, the United States returned to fifth place--replacing Norway which had been fifth since 1966.

Asia accounted for 39 percent of the world landings, followed by South America and Europe with 18 percent each; Soviet Russia (11 percent); and Africa and North America with 7 percent each. A negligible quantity was taken in Oceania.

WORLD LANDINGS OF FISH, CRUSTACEANS, MOLLUSKS, ETC., BY COUNTRIES, 1969

(LIVE WEIGHT BASIS)

COUNTRY	BILLION POUNDS	PERCENT
PERU	20.33	14.6
JAPAN	19.01	13.7
UNION OF SOVIET SOCIALIST REPUBLICS	14.33	10.3
CHINA (MAINLAND)	1/ 12.79	9.2
UNITED STATES	2/ 5.50	3.9
NORWAY	5.47	3.9
REPUBLIC OF SOUTH AFRICA	4.70	3.4
INDIA	3.54	2.5
SPAIN	3.28	2.4
CANADA	3.10	2.2
DENMARK	2.81	2.0
THAILAND	2.80	2.0
REPUBLIC OF INDONESIA	2.66	1.9
UNITED KINGDOM	2.39	1.7
CHILE	2.37	1.7
REPUBLIC OF THE PHILIPPINES	2.16	1.5
REPUBLIC OF KOREA	1.88	1.3
FRANCE	1.64	1.2
ICELAND	1.52	1.1
FEDERAL REPUBLIC OF GERMANY	1.44	1.0
CHINA (TAIWAN)	1.24	.9
BRAZIL	3/ 1.09	.8
REPUBLIC OF VIET-NAM	1.02	.7
PORTUGAL	1.01	.7
PAKISTAN	1.00	.7
ANGOLA	.92	.7
BURMA	.91	.7
POLAND	.90	.6
MALAYSIA	3/ .90	.6
MEXICO	.86	.6
ITALY	.78	.6
NETHERLANDS	.71	.5
EAST GERMANY	3/ .65	.5
NORTH KOREA	4/ .64	.5
NORTH VIET-NAM	5/ .64	.5
SWEDEN	.58	.4
MOROCCO	.50	.4
ARGENTINA	.45	.3
OTHER	10.67	7.8
TOTAL	139.11	100.0

1/ 1960 DATA. 2/ REVISED. (INCLUDES WEIGHT OF CLAM, OYSTER, SCALLOP, AND OTHER UNIVALVE AND BIVALVE MOLLUSK SHELLS. THIS WEIGHT IS NOT INCLUDED IN OTHER UNITED STATES LANDINGS STATISTICS.) 3/ 1968 DATA. 4/ 1957 DATA. 5/ 1962 DATA.

SOURCE:--YEARBOOK OF FISHERY STATISTICS, 1969, VOLUME 28, FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

GENERAL REVIEW

PROCESSED FISHERY PRODUCTS, 1969

The production of processed fishery products (canned, packaged fresh and frozen, cured, and industrial) in the United States, American Samoa, and Puerto Rico was worth a record $1.5 billion--7 percent more than in 1968, the former record year. Packaged fresh and frozen products were 51 percent of the total value; canned, 39 percent; industrial, 6 percent; and cured, 4 percent. The Pacific Coast States led with products valued at $445.6 million; followed by the Gulf States, $309.6 million; New England, $225.9 million; and Middle Atlantic, $131.5 million. In 1969, the 3,898 wholesaling and processing establishments had 88,377 employees.

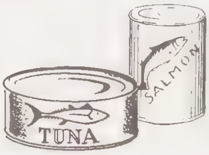
The pack of canned fishery products was 40.7 million standard cases (1.2 billion pounds) worth $575.5 million to the packers--a decline of 2.3 million cases and $8.4 million compared with 1968. The decline resulted principally from smaller packs of canned salmon, Maine sardines, animal food, mackerel, oysters, and squid. The pack of canned salmon was one of the smallest in recent years. The value of three items--salmon, tuna, and animal food--accounted for 81 percent of the total value received by the packers.

Fresh and frozen packaged fish and shellfish (fillets and steaks, fish sticks and portions, shrimp and other shellfish products, specialty dinners, etc.) was valued at $756.8 million--an increase of $84.2 million compared with 1968.

Cured fishery products of 68.2 million pounds were worth $66.3 million--compared with 67.2 million pounds worth $63.2 million in 1968.

Industrial fishery products were valued at $89.2 million--19.1 million more than in 1968. A marked increase in marine animal scrap and meal (chiefly menhaden) accounted for a gain of $12.9 million. Processed sealskins accounted for the remaining $6.2 million. The total value of industrial fishery products in 1969 is not directly comparable with the total value in 1968, because data on processed sealskins are included for the first time.

Production of processed fishery products includes items manufactured from raw products imported from foreign countries, and therefore cannot be correlated directly with the domestic catch. Certain items, such as salted alewives and mild-cured salmon, are shown in an intermediate and also in a more advanced stage of processing. The lime and poultry feed processed shell products were processed from live and reef mollusk shells which are not included in the catch statistics.



VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

STATE	VALUE IN THOUSAND DOLLARS
NEW ENGLAND:	
MAINE	[illegible]
NEW HAMPSHIRE	[illegible]
MASSACHUSETTS	[illegible]
RHODE ISLAND	4,236
CONNECTICUT	261
TOTAL	225,864
MIDDLE ATLANTIC:	
NEW YORK	55,521
NEW JERSEY	[illegible]
PENNSYLVANIA	39,629
DELAWARE	5,142
TOTAL	151,526
CHESAPEAKE:	
MARYLAND	51,214
VIRGINIA	[illegible]
TOTAL	[illegible]
SOUTH ATLANTIC:	
NORTH CAROLINA	13,362
SOUTH CAROLINA	10,898
GEORGIA	39,738
FLORIDA, EAST COAST	28,011
TOTAL	92,009
GULF:	
FLORIDA, WEST COAST	89,599
ALABAMA	17,616
MISSISSIPPI	25,350
LOUISIANA	[illegible]
TEXAS	81,201
TOTAL	309,610
PACIFIC:	
ALASKA	129,820
WASHINGTON	42,114
OREGON	38,816
CALIFORNIA	234,876
TOTAL	445,626
GREAT LAKES:	
NEW YORK	[illegible]
PENNSYLVANIA	44
OHIO	17,022
MICHIGAN	[illegible]
ILLINOIS AND INDIANA	6,188
WISCONSIN	3,260
MINNESOTA	[illegible]
TOTAL	[illegible]
MISSISSIPPI RIVER:	
ARKANSAS	[illegible]
ILLINOIS	[illegible]
IOWA	[illegible]
KANSAS, KENTUCKY AND NEBRASKA	822
LOUISIANA	461
MINNESOTA	2,016
MISSISSIPPI AND MISSOURI	[illegible]
NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TENNESSEE AND TEXAS	[illegible]
WISCONSIN	5,539
TOTAL	[illegible]
OTHER:	
HAWAII AND AMERICAN SAMOA	[illegible]
PUERTO RICO	99,439
GRAND TOTAL	1,487,900

SUMMARY OF PROCESSED PRODUCTS, 1969

ITEM	VALUE IN THOUSAND DOLLARS
PACKAGED:	
FRESH	160,370
FROZEN	596,444
CANNED	575,533
CURED	66,341
INDUSTRIAL	89,212
TOTAL	1,487,900

WHOLESALING AND PROCESSING, 1969

ITEM	NEW ENGLAND	MIDDLE ATLANTIC	CHESAPEAKE	SOUTH ATLANTIC	GULF
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:					
ESTABLISHMENTS	547	370	556	431	825
EMPLOYMENT:					
AVERAGE FOR SEASON	12,576	6,295	10,265	7,601	18,497
AVERAGE FOR YEAR	9,347	5,590	7,260	5,608	12,721

ITEM	PACIFIC	GREAT LAKES	MISSISSIPPI RIVER AND TRIBUTARIES	HAWAII	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:					
ESTABLISHMENTS	567	205	361	36	3,898
EMPLOYMENT:					
AVERAGE FOR SEASON	27,547	2,373	2,807	416	88,377
AVERAGE FOR YEAR	18,291	2,032	2,419	389	63,657

PROCESSED FISHERY PRODUCTS, 1969

ITEM		QUANTITY	VALUE
ALEWIVES:			
FRESH AND FROZEN:			
FOR BAIT	POUNDS	1,790,200	$71,670
FILLETS	DO	(1)	(1)
CANNED:			
FISH	STANDARD CASES	62,260	367,898
ROE	DO	20,942	242,700
ANIMAL FOOD	DO	482,254	3,457,584
SALTED:			
WHOLE, WHOLE WITH ROE, AND FILLETS	POUNDS	3,431,365	552,373
SPECIALTIES, CURED AND REFRIGERATED (IN WINE AND CREAM SAUCES)	DO	(1)	(1)
SMOKED	DO	10,165	1,147
MEAL AND SCRAP	TONS	1,451	217,380
OIL	1000 POUNDS	(1)	(1)
ANCHOVIES:			
FROZEN WHOLE, FOR BAIT	POUNDS	(1)	(1)
CANNED:			
IN TOMATO SAUCE	STANDARD CASES	(1)	(1)
PASTE	DO	1,433	127,446
SALTED	POUNDS	(1)	(1)
MEAL AND SCRAP	TONS	11,436	1,738,195
OIL	1000 POUNDS	4,862	207,416
BARRACUDA, SMOKED	POUNDS	6,190	4,124
BIGEYE SCAD, SUN-DRIED	DO	7,033	7,711
BLUEFISH FILLETS, FRESH AND FROZEN	DO	(1)	(1)
BONEFISH SPECIALTIES, FRESH (CAKES, BREADED & COOKED):	DO	(1)	(1)
BUFFALOFISH:			
FILLETS AND STEAKS, FRESH	DO	47,290	19,321
SMOKED	DO	34,600	33,010
BUTTERFISH, SMOKED	DO	31,170	32,746
CARP:			
FILLETS, FRESH AND FROZEN	DO	1,651,270	469,954
SMOKED (INCLUDING SAUSAGE)	DO	534,535	230,498
MEAL AND SCRAP	TONS	(1)	(1)
OIL	1000 POUNDS	(1)	(1)
CATFISH:			
FRESH AND FROZEN:			
DRESSED, SKINS OFF	POUNDS	4,512,795	3,054,133
FILLETS AND STEAKS	DO	128,095	96,366
SPECIALTIES (FILLETS, BREADED RAW)	DO	(1)	(1)
SMOKED	DO	12,113	11,948
CHAR,ARCTIC, CANNED (SMOKED)	STANDARD CASES	14	1,260
CHUBS, SMOKED	POUNDS	7,181,947	5,236,141
COD:			
FILLETS:			
FRESH AND FROZEN	DO	14,918,199	6,848,595
BREADED, RAW AND COOKED, FRESH AND FROZEN	DO	4,519,216	2,193,779
STEAKS:			
FRESH AND FROZEN	DO	478,403	131,803
BREADED RAW, FROZEN	DO	(1)	(1)
SPECIALTIES:			
FROZEN, BREADED, RAW AND COOKED:			
CAKES	DO	992,362	345,685
OTHER (PATTIES, FISH AND CHIPS, ETC.)	DO	2,586,929	1,101,424
CANNED (CAKES, FLAKES, AND SALTED)	STANDARD CASES	(1)	(1)
SALTED	POUNDS	359,157	217,264
SMOKED	DO	208,382	116,350
SUN-DRIED	DO	7,440	15,980
LUTEFISK	DO	2,326,000	790,220
OIL, LIVER	1000 POUNDS	(1)	(1)
CUSK FILLETS:			
FRESH AND FROZEN	POUNDS	572,252	221,170
SALTED	DO	(1)	(1)
DOLPHIN STEAKS, BREADED	DO	(1)	(1)
EELS:			
DRESSED, SKINS OFF, FROZEN	DO	(1)	(1)
SALTED FOR BAIT	DO	(1)	(1)
SMOKED	DO	90,159	80,130
FLOUNDER:			
DRESSED, FROZEN	DO	127,165	70,220
FILLETS:			
FRESH AND FROZEN	DO	46,228,955	24,961,247
BREADED, RAW AND COOKED, FRESH AND FROZEN	DO	6,418,762	3,960,304
STEAKS, BREADED RAW, FROZEN	DO	(1)	(1)
SPECIALTIES, FROZEN:			
STUFFED, BREADED RAW AND COOKED	DO	1,990,058	1,490,524
OTHER (DINNERS, PATTIES, AND IN SAUCES)	DO	2,192,513	1,623,341

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
GROUPER:			
FILLETS:			
FRESH AND FROZEN	POUNDS	172,118	$142,421
BREADED RAW, FROZEN	DO	(1)	(1)
STEAKS, FRESH AND FROZEN	DO	75,727	48,122
HADDOCK:			
FILLETS:			
FRESH AND FROZEN	DO	13,352,900	8,491,780
BREADED RAW AND COOKED, FROZEN	DO	4,971,789	3,062,265
SPECIALTIES:			
FROZEN (AU GRATIN, DINNERS, PATTIES, ETC.)	DO	647,316	499,726
CANNED (FINNAN HADDIE, AND ROE)	STANDARD CASES	(1)	(1)
SMOKED (INCLUDING FINNAN HADDIE)	POUNDS	71,000	48,930
HAKE:			
FILLETS, FRESH AND FROZEN	DO	102,052	37,912
SALTED	DO	(1)	(1)
MEAL AND SCRAP	TONS	(1)	(1)
HALIBUT (INCLUDES ALASKA PRODUCTION):			
FILLETS, FRESH AND FROZEN	POUNDS	405,678	318,114
STEAKS:			
FRESH AND FROZEN	DO	7,626,190	5,294,670
BREADED AND COOKED, FROZEN	DO	(1)	(1)
CHEEKS AND FLETCHES, FROZEN	DO	839,982	898,548
SPECIALTIES, FROZEN (AU GRATIN, FISH AND CHIPS, AND PATTIES)	DO	425,104	301,284
SALTED	DO	(1)	(1)
SMOKED	DO	465,252	268,562
OIL, LIVER	1000 POUNDS	(1)	(1)
HERRING:			
LAKE:			
DRESSED AND SCALED, FROZEN	POUNDS	(1)	(1)
FILLETS, FRESH AND FROZEN	DO	26,700	11,595
SALTED	DO	294,500	73,400
SMOKED	DO	119,900	56,481
SEA:			
FROZEN:			
DRESSED	DO	(1)	(1)
BAIT	DO	5,542,420	247,034
FILLETS, BREADED RAW	DO	(1)	(1)
CANNED:			
MAINE SARDINES	STANDARD CASES	1,042,806	11,511,902
FISH	DO	(1)	(1)
SPECIALTIES (SPREADS)	DO	(1)	(1)
SPECIALTIES, CURED AND REFRIGERATED:			
BISMARKS, PARTY SNACKS, IN WINE AND CREAM SAUCES ETC.	POUNDS	13,895,152	8,681,831
SALTED:			
FISH	DO	4,006,838	934,907
ROE	DO	200,475	323,306
EGGS WITH KELP	DO	14,587	22,317
SMOKED	DO	361,614	184,170
MEAL AND SCRAP	TONS	6,563	1,044,801
OIL	1000 POUNDS	3,484	217,339
SOLUBLES	TONS	(1)	(1)
PEARL ESSENCE	-	-	1,540,933
THREAD:			
MEAL AND SCRAP	TONS	1,061	179,654
OIL	1000 POUNDS	(1)	(1)
KING MACKEREL:			
FILLETS AND STEAKS, FROZEN	POUNDS	342,800	152,600
CANNED (NATURAL AND PASTE)	STANDARD CASES	(1)	(1)
SMOKED	POUNDS	(1)	(1)
LAKE TROUT:			
FILLETS, FRESH AND FROZEN	DO	154,075	191,557
SMOKED	DO	54,695	59,864
LINGCOD:			
FILLETS, FRESH AND FROZEN	DO	2,009,884	609,851
SMOKED	DO	(1)	(1)
LUMPFISH, CAVIAR, CANNED	STANDARD CASES	2,307	194,063
MACKEREL:			
ATLANTIC:			
FILLETS, FRESH AND FROZEN	POUNDS	(1)	(1)
CANNED (NATURAL)	STANDARD CASES	(1)	(1)
SALTED	POUNDS	(1)	(1)
SMOKED	DO	34,105	26,400

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
MACKEREL - CONTINUED:			
JACK:			
FROZEN:			
DRESSED	POUNDS	(1)	(1)
BAIT	DO	(1)	(1)
FILLETS, FRESH	DO	(1)	(1)
CANNED:			
NATURAL AND IN TOMATO SAUCE	STANDARD CASES	378,923	3,258,948
ANIMAL FOOD	DO	144,419	2,052,227
SMOKED	POUNDS	(1)	(1)
SUN-DRIED	DO	(1)	(1)
MEAL AND SCRAP	TONS	(1)	(1)
OIL	1000 POUNDS	(1)	(1)
PACIFIC:			
CANNED NATURAL	STANDARD CASES	6,723	57,773
SMOKED	POUNDS	1,170	626
MARLIN:			
SPECIALTIES, FRESH (CAKES BREADED AND COOKED)	DO	1,308,800	1,095,469
CANNED (NATURAL)	STANDARD CASES	(1)	(1)
SMOKED	POUNDS	(1)	(1)
MENHADEN:			
MEAL AND SCRAP	TONS	159,493	26,960,278
OIL	1000 POUNDS	149,155	8,252,716
SOLUBLES	TONS	63,267	3,069,496
MOONEYE, SMOKED	POUNDS	(1)	(1)
MULLET:			
ROE, FRESH AND FROZEN	DO	29,500	24,573
SALTED:			
FISH	DO	185,550	33,000
ROE	DO	7,468	6,993
SPLIT FOR SMOKING	DO	(1)	(1)
SMOKED	DO	(1)	(1)
OCEAN PERCH:			
ATLANTIC:			
FILLETS:			
FRESH AND FROZEN	DO	14,617,719	4,037,088
BREADED, RAW AND COOKED, FROZEN	DO	14,251,915	5,877,893
SPECIALTIES, FROZEN (DINNERS, BREADED AND COOKED, ETC.)	DO	(1)	(1)
PACIFIC:			
FILLETS, FRESH AND FROZEN	DO	4,831,339	1,427,356
SPECIALTIES, FROZEN (PATTIES, BREADED & COOKED)	DO	(1)	(1)
PADDLEFISH, SMOKED	DO	(1)	(1)
PERCH FILLETS, FRESH AND FROZEN	DO	434,026	170,457
PIKE AND PICKEREL FILLETS, FRESH AND FROZEN	DO	32,815	15,545
POLLOCK:			
FILLETS:			
FRESH AND FROZEN	DO	3,227,271	923,597
BREADED, RAW AND COOKED, FROZEN	DO	(1)	(1)
STEAKS, FRESH	DO	(2)	(2)
SALTED	DO	(1)	(1)
SMOKED	DO	10,000	3,375
POMPANO FILLETS, FROZEN	DO	(1)	(1)
ROCKFISH:			
FILLETS, FRESH AND FROZEN	DO	11,071,281	3,427,832
SALTED	DO	(1)	(1)
SMOKED	DO	(1)	(1)
SABLEFISH:			
FRESH AND FROZEN:			
FILLETS AND STEAKS	DO	269,513	103,527
SPECIALTIES (IN RICE WINE MASH)	DO	(1)	(1)
CANNED (SMOKED)	STANDARD CASES	(1)	(1)
SALTED	POUNDS	97,600	44,480
SMOKED	DO	3,019,802	2,639,101
SUN-DRIED	DO	(1)	(1)
SALMON:			
FRESH AND FROZEN:			
FOR BAIT	DO	78,192	3,518
FILLETS	DO	577,892	638,316
STEAKS	DO	1,516,786	1,446,965
SPECIALTIES (ROE IN RICE WINE MASH, CAKES AND PATTIES, BREADED RAW AND COOKED)	DO	262,490	293,049
EGGS FOR BAIT	DO	189,040	86,686
CANNED:			
CHINOOK OR KING	STANDARD CASES	69,448	3,033,459
CHUM OR KETA	DO	212,138	5,816,547
PINK	DO	1,261,450	40,546,392
RED OR SOCKEYE	DO	881,325	35,872,178

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
SALMON, CANNED - CONTINUED:			
SILVER OR COHO	STANDARD CASES	123,566	$4,909,145
STEELHEAD	DO	2,994	108,245
TOTAL	DO	2,550,921	90,285,966
SMOKED	DO	2,133	200,071
CAVIAR	DO	2,715	490,964
EGGS FOR BAIT	DO	12,907	1,856,153
SPECIALTIES (CREAMED, SPREADS AND PASTE)	DO	271	13,667
SALTED:			
SALTED AND PICKLED	POUNDS	2,142,833	1,074,513
MILD-CURED	DO	3,416,522	3,486,563
CAVIAR	DO	6,282,443	6,427,055
BELLIES	DO	(1)	(1)
EGGS FOR BAIT	DO	(1)	(1)
SMOKED	DO	12,247,543	24,748,464
OIL	1000 POUNDS	(1)	(1)
SARDINES, PACIFIC, SALTED	POUNDS	(1)	(1)
SAUGER, FILLETS:			
FRESH AND FROZEN	DO	406,500	495,050
BREADED RAW FROZEN	DO	(1)	(1)
SEA BASS:			
FRESH AND FROZEN:			
FILLETS AND STEAKS	DO	391,089	214,163
SMOKED	DO	1,874	1,634
SEA TROUT, FRESH AND FROZEN:			
DRESSED	DO	63,285	33,357
FILLETS AND STEAKS	DO	(1)	(1)
SHAD:			
FILLETS, FRESH (BONED)	DO	28,445	66,561
CANNED:			
FISH	STANDARD CASES	1,998	17,609
ROE	DO	615	73,164
SPECIALTIES (SMOKED)	DO	(1)	(1)
SMOKED	POUNDS	40,680	15,592
SHARK:			
SMOKED	DO	1,778	1,281
LEATHERS		-	(1)
SHEEFISH, CANNED (SMOKED)	STANDARD CASES	6	495
SHEEPSHEAD:			
FILLETS, FRESH	POUNDS	(1)	(1)
SMOKED	DO	(1)	(1)
SMELT:			
FRESH AND FROZEN:			
FOR BAIT	DO	(1)	(1)
DRESSED	DO	(1)	(1)
FILLETS	DO	(1)	(1)
SPECIALTIES, BREADED AND COOKED	DO	296,510	119,992
SALTED	DO	(1)	(1)
SMOKED	DO	(1)	(1)
FREEZE-DRIED	DO	(1)	(1)
SNAPPER, RED, FRESH AND FROZEN:			
FILLETS AND STEAKS	DO	242,316	351,528
SPECIALTIES (STUFFED)	DO	(1)	(1)
SPANISH MACKEREL FILLETS:			
FRESH AND FROZEN	DO	2,392,500	1,076,517
SPECIALTIES, FROZEN (IN SAUCE)	DO	(1)	(1)
SPOT, SALTED (SPLIT FOR CURING)	DO	(1)	(1)
STRIPED BASS FILLETS, FRESH AND FROZEN	DO	(1)	(1)
STURGEON:			
CANNED:			
CAVIAR	STANDARD CASES	(1)	(1)
SMOKED	DO	480	36,118
SMOKED	POUNDS	1,060,397	2,422,088
SWORDFISH:			
FRESH AND FROZEN:			
FILLETS	DO	(3)	(3)
STEAKS	DO	2,709,536	2,007,540
SPECIALTIES (IN LEMON BUTTER SAUCE)	DO	(1)	(1)
SMOKED	DO	117,544	178,584
OIL, LIVER	1000 POUNDS	(1)	(1)
TENPOUNDER, FRESH (SPECIALTY MIX)	POUNDS	60,127	51,332
TRIGGERFISH FILLETS, FRESH	DO	(1)	(1)
TUNA:			
STEAKS, FRESH	DO	(1)	(1)
SPECIALTIES, FROZEN (CASSEROLES, PIES, PATTIES, ETC.)	DO	520,487	291,732

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
TUNA - CONTINUED:			
CANNED:			
ALBACORE	STANDARD CASES	6,701,090	$107,041,611
LIGHTMEAT	DO	13,396,549	190,414,337
TOTAL		20,097,639	297,455,948
SPECIALTIES (SMOKED, CREAMED, SPREADS, WITH NOODLES AND BEANS)	DO	69,258	1,321,702
ANIMAL FOOD	DO	2,663,204	33,082,351
SALTED:			
FISH	POUNDS	(1)	(1)
PASTE	DO	27,906	16,295
SMOKED	DO	271,397	330,789
FREEZE-DRIED (SALAD MIX)	DO	(1)	(1)
SUN-DRIED	DO	52,378	81,574
MEAL AND SCRAP	TONS	(1)	(1)
OIL:			
BODY	1000 POUNDS	(1)	(1)
LIVER	DO	(1)	(1)
SOLUBLES	TONS	(1)	(1)
TUNALIKE FISH (BONITO AND YELLOWTAIL):			
FILLETS, FRESH AND FROZEN	POUNDS	(1)	(1)
CANNED:			
REGULAR	STANDARD CASES	252,548	2,180,363
SMOKED	DO	(1)	(1)
ANIMAL FOOD	DO	(1)	(1)
SMOKED	POUNDS	73,324	50,904
WAHOO:			
CANNED (NATURAL)	STANDARD CASES	(1)	(1)
SMOKED	POUNDS	(1)	(1)
WHITE BASS FILLETS, FRESH	DO	(1)	(1)
WHITEFISH:			
FILLETS, FRESH AND FROZEN	DO	1,137,800	1,222,175
CANNED:			
FISH	STANDARD CASES	(1)	(1)
CAVIAR	DO	3,941	354,287
SMOKED	POUNDS	1,941,943	2,040,348
WHITING:			
FRESH AND FROZEN:			
HEADED AND DRESSED	DO	16,655,691	3,247,564
DRESSED AND SKINNED	DO	1,390,000	820,100
FILLETS:			
RAW	DO	894,559	269,974
BREADED AND COOKED	DO	(1)	(1)
SPECIALTIES (CRISPS, BREADED, RAW)	DO	(1)	(1)
SMOKED	DO	983,936	476,865
WOLFFISH, FRESH AND FROZEN, FILLETS AND STEAKS	DO	143,174	55,019
YELLOW PERCH:			
FRESH AND FROZEN:			
DRESSED	DO	(1)	(1)
FILLETS:			
RAW	DO	2,460,985	1,695,538
BREADED, RAW AND COOKED	DO	3,077,846	2,170,286
YELLOW PIKE:			
FRESH AND FROZEN:			
DRESSED	DO	(1)	(1)
FILLETS:			
RAW	DO	682,166	818,843
BREADED RAW	DO	200,248	192,636
CRABS:			
FRESH AND FROZEN:			
BLUE, HARD (INCLUDING ROCK CRABS):			
COOKED MEAT	DO	14,605,639	26,428,135
SPECIALTIES:			
CAKES AND PATTIES	DO	1,404,786	1,355,594
DEVILED	DO	5,827,124	4,901,926
STUFFED	DO	1,766,236	1,498,981
SOFT SHELL	DO	99,344	73,835
OTHER (CUTLETS, ROLLS, IMPERIAL, STICKS, COCKTAILS, BURGERS, ETC.)	DO	909,849	684,985
DUNGENESS:			
COOKED MEAT	DO	5,918,267	9,082,011
SECTIONS	DO	2,249,909	1,023,581
WHOLE, COOKED	DO	2,705,034	1,347,315
SPECIALTIES (COCKTAILS AND DIPS)	DO	536,255	600,888

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
CRABS - CONTINUED:			
KING:			
COOKED MEAT	POUNDS	9,440,379	$18,932,299
SECTIONS	DO	1,094,250	962,415
WHOLE, COOKED	DO	1,101,964	1,128,602
SPECIALTIES (COCKTAILS AND CAKES)	DO	(1)	(1)
QUEEN:			
COOKED MEAT	DO	523,796	543,508
SECTIONS	DO	38,093	10,033
WHOLE, COOKED	DO	988,382	351,338
STONE, CLAWS, COOKED	DO	51,400	84,340
CANNED:			
REGULAR:			
BLUE (INCLUDING ROCK CRABS)	STANDARD CASES	106,774	4,406,062
DUNGENESS	DO	52,466	2,283,989
KING	DO	69,518	5,922,250
QUEEN	DO	29,026	1,718,963
SPECIALTIES (DEVILED, GUMBO, BISQUE, SOUP, COCKTAILS, DIPS AND SAUCES)	DO	24,467	615,985
FREEZE-DRIED (SALAD MIX)	POUNDS	(1)	(1)
BACKSHELLS, CLEANED AND POLISHED	-	-	(1)
MEAL AND SCRAP	TONS	7,747	400,644
CRAWFISH:			
COOKED MEAT, FRESH	POUNDS	193,300	471,695
SPECIALTIES:			
FROZEN (BISQUE AND FLAVORING)	DO	12,414	10,831
CANNED (BISQUE)	STANDARD CASES	(1)	(1)
LOBSTERS:			
NORTHERN:			
FRESH AND FROZEN, COOKED MEAT	POUNDS	780,381	3,817,353
FROZEN, WHOLE	DO	(1)	(1)
CANNED (MEAT DIPS, SPREADS, NEWBURGS, KNUCKLES, CHOWDERS, THERMIDOR, SOUP, BISQUE AND DEVILED)	STANDARD CASES	16,866	507,626
SPINY:			
FRESH AND FROZEN:			
RAW:			
WHOLE	POUNDS	(1)	(1)
TAILS	DO	2,706,144	5,986,578
COOKED:			
MEAT	DO	(1)	(1)
WHOLE	DO	2,536,465	2,955,250
TAILS	DO	(1)	(1)
SPECIALTIES:			
FROZEN (NEWBURG SAUCE)	DO	(1)	(1)
CANNED (SOUP)	STANDARD CASES	(1)	(1)
SHRIMP:			
FRESH AND FROZEN:			
RAW, HEADLESS	POUNDS	85,289,746	91,982,399
PEELED (INCLUDING DEVEINED):			
RAW	DO	33,271,743	53,610,089
COOKED	DO	16,178,609	31,381,236
BREADED, RAW AND COOKED	DO	105,626,697	111,959,635
COOKED, WHOLE	DO	10,056,467	3,893,725
SPECIALTIES:			
COCKTAILS (REFRIGERATED)	DO	10,682,957	10,266,186
CREOLES (COOKED)	DO	1,480,552	935,403
PATTIES	DO	1,307,886	1,052,722
BURGERS	DO	131,464	101,213
STUFFED	DO	1,266,102	1,472,325
DINNERS	DO	592,049	585,683
GUMBO	DO	151,774	86,465
OTHER (DIPS, CASSEROLE, CURRIES, NEWBURGS, SOUPS, HAWAIIAN, ETC.)	DO	3,264,487	2,460,304
CANNED:			
REGULAR	STANDARD CASES	3,071,021	27,730,096
SPECIALTIES (COCKTAILS, CREOLES, DIPS, GUMBO, CHOWDER, NEWBURG, SOUP, BISQUE & IN SAUCE)	DO	23,681	437,556
CURED:			
FREEZE-DRIED	POUNDS	(1)	(1)
SUN-DRIED	DO	650,311	1,135,121
SMOKED	DO	(1)	(1)
MEAL AND SCRAP	TONS	691	29,185
ABALONE:			
STEAKS:			
FRESH AND FROZEN	POUNDS	670,261	1,446,548
BREADED RAW, FROZEN	DO	(1)	(1)
SPECIALTIES:			
FROZEN (PATTIES, BREADED RAW)	DO	(1)	(1)
CANNED (NATURAL)	STANDARD CASES	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
CLAMS:			
FRESH AND FROZEN:			
SHUCKED:			
HARD (INCLUDES SURF AND OCEAN QUAHOG)	GALLONS	4,936,790	$15,483,943
RANGIA	DO	(1)	(1)
RAZOR	DO	7,482	68,533
SOFT	DO	850,495	6,595,368
BAIT	POUNDS	50,590	23,285
SPECIALTIES: -			
BREADED, RAW AND COOKED	DO	8,844,016	7,839,658
STUFFED	DO	650,170	548,687
CAKES	DO	1,214,609	682,581
OTHER (COCKTAILS, CRISPS, PATTIES, STRIPS, ETC.)	DO	2,797,556	2,451,947
CANNED:			
WHOLE AND MINCED:			
HARD, SOFT, AND SURF	STANDARD CASES	430,667	6,904,624
RAZOR	DO	1,446	52,914
CHOWDER AND JUICE (HARD, SOFT, AND SURF)	DO	1,881,363	15,087,737
SPECIALTIES (DIPS, FRITTERS, CRISPS, SPREADS, IN THE SHELL, SOUPS, STEWS, AND IN SAUCES)	DO	131,825	1,998,130
SHELLS, CLEANED AND POLISHED	-	-	(1)
CONCHS:			
FRESH AND FROZEN:			
MEATS	POUNDS	503,395	272,004
SPECIALTIES (IN SAUCES)	DO	(1)	(1)
CANNED:			
MEAT	STANDARD CASES	13,584	390,659
SPECIALTIES (CHOWDER)	DO	(1)	(1)
LIMPETS, SALTED	POUNDS	(1)	(1)
MUSSELS, SEA:			
SPECIALTIES, FROZEN (IN TOMATO SAUCE)	DO	(1)	(1)
CANNED (MEAT)	STANDARD CASES	(1)	(1)
BUTTONS	GROSS	409,620	841,000
MUSSELS, FRESH-WATER (SHELL PRODUCTS):			
BUTTONS	DO	(3)	(3)
GRIT AND LIME	TONS	(1)	(1)
OCTOPUS:			
FRESH, COOKED	POUNDS	(1)	(1)
SUN-DRIED	DO	(1)	(1)
OYSTERS:			
FRESH AND FROZEN:			
EASTERN:			
SHUCKED	GALLONS	4,103,781	33,754,919
STEAMED	POUNDS	(1)	(1)
SPECIALTIES:			
BREADED, RAW AND COOKED	DO	4,423,771	4,783,169
OTHER (STEWS, PIES, DRESSING, ETC.)	DO	449,896	215,620
PACIFIC:			
SHUCKED	GALLONS	769,253	4,691,226
SPECIALTIES (BREADED, RAW)	POUNDS	(1)	(1)
WESTERN, SHUCKED	GALLONS	4,968	176,156
CANNED:			
REGULAR (EASTERN AND PACIFIC)	STANDARD CASES	142,848	2,163,504
SPECIALTIES:			
SMOKED	DO	281	33,670
STEWS	DO	155,568	2,806,743
BISQUE, SOUP AND SMOKED PASTE	DO	14,101	129,275
ANIMAL FOOD	DO	(1)	(1)
SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY GRIT	TONS	161,593	2,856,681
LIME, BURNED AND UNBURNED	DO	45,739	472,437
SCALLOPS:			
SHUCKED, FRESH AND FROZEN:			
BAY	GALLONS	266,741	2,929,073
CALICO	DO	42,012	394,341
SEA	POUNDS	3,166,725	4,795,658
SPECIALTIES:			
FROZEN:			
BREADED, RAW AND COOKED	DO	7,795,065	10,176,497
OTHER (IN SAUCES, DINNERS, ETC.)	DO	1,563,023	1,817,253
CANNED (IN SAUCE)	STANDARD CASES	(1)	(1)
SQUID:			
FROZEN:			
FOR BAIT	POUNDS	(1)	(1)
NATURAL	DO	9,607,423	1,044,039
SPECIALTIES (IN TOMATO SAUCE)	DO	(1)	(1)
CANNED	STANDARD CASES	227,266	1,151,367
SALTED (IN HOT SAUCE)	POUNDS	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		QUANTITY	VALUE
TURTLE:			
FRESH AND FROZEN, MEAT	POUNDS	16,708	$14,380
CANNED (MEAT, SOUP, CHOWDER, AND CONSOMME)	STANDARD CASES	10,799	297,461
OIL	1000 POUNDS	(1)	(1)
FROG LEGS, FRESH AND FROZEN	POUNDS	(1)	(1)
SEAWEED, KELP, WITH URCHIN ROE:			
FRESH AND FROZEN	DO	(1)	(1)
SALTED	DO	(1)	(1)
WHALE:			
MEAT FROZEN (FOR ANIMAL FOOD)	DO	1,368,410	123,157
MEAL AND SCRAP	TONS	844	101,237
OIL:			
SPERM	1000 POUNDS	409	25,187
OTHER	DO	1,327	78,702
SEAL SKINS, PROCESSED	-	-	6,206,953
UNCLASSIFIED:			
FRESH AND FROZEN PACKAGED:			
FISH:			
NOT BREADED:			
FILLETS AND STEAKS, RAW	POUNDS	1,252,555	946,573
OTHER (DRESSED, FOR BAIT, ETC.)	DO	2,121,419	409,883
STICKS, BREADED:			
RAW	DO	4,524,990	1,873,400
COOKED	DO	108,843,742	49,368,869
PORTIONS:			
RAW:			
NOT BREADED	DO	4,837,151	2,059,065
BREADED	DO	140,416,020	52,899,661
BREADED AND COOKED	DO	71,818,038	28,760,042
FILLETS AND STEAKS, BREADED, RAW AND COOKED	DO	1,404,835	826,770
SHELLFISH:			
NATURAL, FOR BAIT, AND IN SAUCES	DO	891,810	1,443,411
CAKES, PATTIES, BREADED, RAW AND COOKED	DO	278,200	285,965
FISH AND SHELLFISH:			
CAKES, BREADED, RAW AND COOKED	DO	9,945,250	4,337,412
DINNERS, BREADED, RAW AND COOKED	DO	15,297,804	10,130,706
PATTIES, BREADED, RAW AND COOKED	DO	1,191,978	826,596
SPECIALTIES	DO	12,424,502	8,540,902
CANNED FISH AND SHELLFISH:			
GEFILTEFISH	STANDARD CASES	297,453	5,404,408
ANIMAL FOOD	DO	6,112,755	42,025,572
MISCELLANEOUS (CHOWDERS, GUMBO AND UNCLASSIFIED FISH AND SHELLFISH)	DO	129,564	4,823,304
CURED:			
SALTED	POUNDS	1,369,567	772,985
SMOKED	DO	183,350	247,060
FREEZE-DRIED	DO	(4)	(4)
SUN DRIED	DO	285,426	2,095,748
MEAL AND SCRAP:			
TUNA AND MACKEREL	TONS	26,870	3,238,956
UNCLASSIFIED	DO	36,508	5,912,438
OIL:			
TUNA AND MACKEREL	1000 POUNDS	4,256	132,172
UNCLASSIFIED	DO	6,292	412,861
FISH SOLUBLES	TONS	18,425	1,053,630
OTHER (AGAR AGAR, IRISH MOSS EXTRACTS, KELP, FISH FEED PELLETS, ETC.)	-	-	24,021,473
GRAND TOTAL	-	-	1,487,900,134

1/ INCLUDED WITH UNCLASSIFIED PRODUCTS.

2/ INCLUDED WITH FILLET PRODUCTION.

3/ THE PRODUCTION OF FRESH WATER MUSSEL SHELL BUTTONS HAS BEEN INCLUDED WITH THE SEA MUSSEL BUTTON PRODUCTION.

4/ THE PRODUCTION OF FREEZE-DRIED PRODUCTS HAS BEEN INCLUDED WITH SUN-DRIED PRODUCTS.

NOTE:--SOME OF THE ABOVE ITEMS HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM FOREIGN COUNTRIES; THEREFORE, THE PRODUCTION CANNOT BE CORRELATED DIRECTLY WITH THE CATCH. CERTAIN ITEMS, SUCH AS SALTED ALEWIVES, MILD-CURED SALMON, ETC., ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING. THE LIME AND POULTRY FEED PROCESSED SHELL PRODUCTS WERE PROCESSED FROM LIVE AND REEF MOLLUSK SHELLS THAT ARE NOT INCLUDED IN THE CATCH STATISTICS.

CURED FISHERY PRODUCTS, 1969

ITEM	POUNDS	VALUE
SALTED AND PICKLED:		
ALEWIVES	3,431,365	$552,373
COD	2,685,157	1,007,484
HERRING:		
LAKE	294,500	73,400
SEA	18,117,052	9,962,361
MULLET	193,018	39,993
SABLEFISH	97,600	44,480
SALMON	11,841,798	10,988,131
TUNA	27,906	16,295
OTHER (ALEWIVES, ANCHOVIES, CUSK, EELS, HAKE, HALIBUT, ATLANTIC MACKEREL, MULLET, POLLOCK, ROCKFISH, SALMON, PACIFIC SARDINES, SMELT, SPOT, TUNA, SHRIMP, LIMPETS, SQUID, AND KELP WITH URCHIN ROE)	1,369,567	772,985
TOTAL	38,057,963	23,457,502
SMOKED:		
ALEWIVES	10,165	1,147
BARRACUDA	6,190	4,124
BUFFALOFISH	34,600	33,010
BUTTERFISH	31,170	32,746
CARP	534,535	230,498
CATFISH	12,113	11,948
CHUBS	7,181,947	5,236,141
COD	208,382	116,350
EELS	90,159	80,130
HADDOCK	71,000	48,930
HALIBUT	465,252	268,562
HERRING:		
LAKE	119,900	56,481
SEA	361,614	184,170
LAKE TROUT	54,695	59,864
MACKEREL:		
ATLANTIC	34,105	26,400
PACIFIC	1,170	626
POLLOCK	10,000	3,375
SABLEFISH	3,019,802	2,639,101
SALMON	12,247,543	24,748,464
SEA BASS	1,874	1,634
SHAD	40,680	15,592
SHARK	1,778	1,281
STURGEON	1,060,397	2,422,088
SWORDFISH	117,544	178,584
TUNA	271,397	330,789
TUNALIKE (BONITO AND YELLOWTAIL)	73,324	50,904
WHITEFISH	1,941,943	2,040,348
WHITING	983,936	476,865
OTHER (KING MACKEREL, LINGCOD, JACK MACKEREL, MARLIN, MULLET, PADDLEFISH, ROCKFISH, SHEEPSHEAD, SMELT, WAHOO, SHRIMP, MOONEYE AND UNCLASSIFIED FISH)	183,350	247,060
TOTAL	29,170,565	39,547,212
SUN-DRIED:		
BIGEYE SCAD	7,033	7,711
COD	7,440	15,980
TUNA	52,378	81,574
SHRIMP	650,311	1,135,121
OTHER (JACK MACKEREL, SABLEFISH, OCTOPUS AND UNCLASSIFIED FISH)	285,426	2,095,748
TOTAL	1,002,588	3,336,134
FREEZE-DRIED (SMELT, TUNA, KING CRAB AND SHRIMP)	(1)	(1)
GRAND TOTAL	68,231,116	66,340,848

1/ INCLUDED WITH OTHER SUN-DRIED PRODUCTS.

NOTE:--PRODUCTS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

CANNED FISHERY PRODUCTS, 1969

The pack of canned fishery products in the United States, American Samoa, and Puerto Rico was 40.7 million standard cases (1.2 billion pounds) worth $575.5 million to the packers--a decline of 2.3 million cases (98.7 million pounds) and $8.4 million compared with 1968. The decline was caused principally by small packs of canned salmon, Maine sardines, animal food, mackerel, oysters, and squid. The pack of canned salmon was one of the smallest in recent years. However, the pack of canned tuna reached a record production and the packs of canned crab meat and shrimp increased substantially compared with 1968.

The pack for human consumption (716.3 million pounds) was 65.8 million less than in 1968, and the production of bait and animal food (451.9 million) declined 33.0 million pounds. The value of three items--salmon, tuna, and animal food--accounted for 81 percent of the total value received by the packers. Animal food containing less than 10 pounds of fish per standard case of 48 pounds (4,062,943 standard cases worth $19,789,597) has been excluded from the tabulation.

Tuna. The pack of canned tuna was a record 20.1 million cases (398.4 million pounds) worth a record $297.5 million--nearly 86,000 cases and $28.7 million more than in 1968, the former record year. The Pacific coast led in production with 53 percent of the total, followed by Puerto Rico with 32 percent; and the Atlantic coast, Hawaii, and American Samoa with 15 percent. In 1969, areas other than California accounted for 55 percent of the pack; in 1955, they accounted for only 17 percent. Increased production in Puerto Rico and American Samoa has been the principal reason for the gain.

Salmon. The pack of canned salmon was 2.6 million cases worth $90.3 million--a decline of 896,800 cases (26 percent) and $27.7 million (23 percent) compared with 1968. The combined Washington and Oregon packs (267,800 cases) were 28 percent greater than in 1968, but the Alaska pack (2.3 million cases) declined 31 percent. Alaska accounted for 90 percent of the volume and 86 percent of the value of the total pack.

Shrimp. The pack of canned shrimp was a near-record 3.1 million cases--an increase of 261,100 cases compared with 1968, and only 4 percent less than the record production of 1937. The value of the pack ($27.7 million) declined $1.7 million compared with the record value of 1968. Slightly more than 66 percent of the pack was canned in the Gulf States. The rest was canned in Maine, Alaska, Washington, and Oregon. In Alaska, the discovery of a vast shrimp resource led to a marked expansion in the production of canned shrimp.

Crabs. The pack of canned crab meat was 257,800 cases worth $14.3 million--an increase of 25 percent in volume and 60 percent in value compared with 1968. The pack of blue crab meat along the Atlantic and Gulf coasts (106,800 cases) nearly doubled the 1968 production. In Alaska, the pack of snow crab meat increased from 1,700 cases in 1968 to a record 29,000 cases in 1969. However, the pack of king crab meat (69,500 cases) declined 26 percent, and the pack of Dungeness crab meat (52,500 cases) declined 6 percent compared with 1968.

Sardines. The pack of canned Maine sardines (sea herring) was 1.0 million standard cases worth $11.5 million--687,500 cases and $7.8 million less than in the previous year. Compared with 1968, Maine landings of sea herring were down substantially and imports of fresh Canadian sea herring (used principally for canning and reduction in Maine) declined sharply.

Pacific sardines were not canned in 1969. The California State Legislature enacted a law in 1967 establishing a 2-year moratorium on sardine fishing in California waters, in an effort to conserve the resource. In 1969, the Legislature continued the moratorium indefinitely.

Mackerel. The pack of canned mackerel was 385,600 cases worth $3.3 million--a decline of 22 percent in volume and 19 percent in value compared with 1968. Jack mackerel accounted for 98 percent of both the quantity and value of the pack.

Clams. The pack of canned clams and clam products was 2.3 million cases--about 1,400 cases less than in 1968, but the value of the pack ($22.0 million) increased 8 percent. The production of whole and minced clams was 432,100 cases worth $7.0 million: the production of clam chowder and juice was 1.9 million cases worth $15.1 million.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1969

PRODUCT	NUMBER OF PLANTS	STANDARD CASES	POUNDS PER CASE	POUNDS	VALUE
CANNED PRODUCTS:					
FOR HUMAN CONSUMPTION:					
SALMON.	106	2,550,921	48	122,444,208	$90,285,966
SARDINES, MAINE	21	1,042,806	23.4	24,401,660	11,511,902
TUNA:					
SOLID	31	5,496,418	21	115,424,778	89,903,797
CHUNKS.	19	13,460,301	19.5	262,475,870	196,776,209
FLAKES AND GRATED	19	1,140,920	18	20,536,560	10,775,942
TOTAL	1/ 31	20,097,639	-	398,437,208	297,455,948
TUNALIKE FISH	7	252,548	21-19.5-18	4,948,496	2,180,363
ALEWIVES.	5	62,260	45	2,801,700	367,898
MACKEREL.	5	385,646	45	17,354,070	3,316,721
SHAD.	4	1,998	45	89,910	17,609
GEFILTEFISH	4	297,453	48	14,277,744	5,404,408
SALMON, SMOKED.	34	2,133	48	102,384	200,071
STURGEON, SMOKED.	10	480	48	23,040	36,118
TUNA SPECIALTIES (SMOKED, CREAMED, SPREADS, WITH NOODLES AND BEANS) .	13	69,258	48	3,324,384	1,321,702
ANCHOVY PASTE	4	1,433	48	68,784	127,446
MISCELLANEOUS FISH SPECIALTIES. . .	24	115,246	48	5,531,808	1,721,227
FISH ROE AND CAVIAR	17	37,997	48	1,823,856	4,239,418
TOTAL FISH.	-	24,917,818	-	595,629,252	418,186,797
CRAB MEAT	32	257,784	19.5	5,026,788	14,331,264
CRAB MEAT SPECIALTIES	8	24,467	48	1,174,416	615,985
LOBSTER MEAT AND SPECIALTIES. . . .	5	16,866	48	809,568	507,626
SHRIMP.	38	3,071,021	6.75	2/ 20,729,392	27,730,096
SHRIMP SPECIALTIES.	8	23,681	48	1,136,688	437,556
CLAMS AND CLAM PRODUCTS:					
WHOLE	9	7,401	15	3/ 111,015	204,461
MINCED.	17	424,712	15	3/ 6,370,680	6,753,077
CHOWDER	16	1,724,450	30	3/ 51,733,500	14,188,935
JUICE	10	156,913	30	3/ 4,707,390	898,802
TOTAL	1/ 31	2,313,476	-	3/ 62,922,585	22,045,275
CLAM SPECIALTIES	12	131,825	48	6,327,600	1,998,130
CONCH MEAT	3	13,584	48	652,032	390,659
OYSTERS.	16	142,848	14	2/ 1,999,872	2,163,504
OYSTER SPECIALTIES:					
SMOKED	5	281	48	13,488	33,670
STEWS.	9	155,568	48	7,467,264	2,806,743
BISQUE, SOUPS, AND SMOKED PASTE.	4	14,101	48	676,848	129,275
SQUID.	8	227,266	48	10,908,768	1,151,367
TURTLE MEAT, SOUPS, AND STEWS. . .	4	10,799	48	518,352	297,461
MISCELLANEOJS SHELLFISH SPECIALTIES	7	7,132	48	342,336	233,259
TOTAL SHELLFISH.	-	6,410,699	-	120,705,997	74,871,870
TOTAL FOR HUMAN CONSUMPTION. . .	-	31,328,517	-	716,335,249	493,058,667
BAIT AND ANIMAL FOOD:					
ANIMAL FOOD	52	9,402,632	48	451,326,336	80,617,734
SALMON EGGS FOR BAIT.	9	12,907	48	619,536	1,856,153
TOTAL BAIT AND ANIMAL FOOD. . . .	61	9,415,539	-	451,945,872	82,473,887
GRAND TOTAL	1/304	40,744,056	-	1,168,281,121	575,532,554

1/ EXCLUSIVE OF DUPLICATION.

2/ DRAINED WEIGHT.

3/ "CUT OUT" OR "DRAINED" WEIGHT OF CAN CONTENTS ARE GIVEN FOR WHOLE OR MINCED CLAMS, AND NET CONTENTS FOR OTHER CLAM PRODUCTS.

NOTE:--LIST OF CANNERS OF FISHERY PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE, STATISTICS AND MARKET NEWS DIVISION, 1801 NORTH MOORE STREET, ARLINGTON, VIRGINIA 22209.

GENERAL REVIEW

VALUE OF PRODUCTION, BY STATES, 1969

STATE	CANNED FISHERY PRODUCTS
	VALUE
MAINE	$18,304,258
MASSACHUSETTS AND CONNECTICUT	23,018,402
NEW YORK	7,756,426
NEW JERSEY	14,372,988
PENNSYLVANIA AND DELAWARE	7,851,500
MARYLAND	8,678,158
VIRGINIA	914,878
NORTH CAROLINA AND SOUTH CAROLINA	4,830,285
FLORIDA AND TEXAS	555,629
MISSISSIPPI	11,063,770
LOUISIANA	22,612,549
ILLINOIS, KANSAS, AND NEBRASKA	329,946
MICHIGAN AND WISCONSIN	3,483,103
ALASKA	[illegible]
WASHINGTON	19,308,514
OREGON	28,824,475
CALIFORNIA	168,324,204
HAWAII AND AMERICAN SAMOA	45,117,855
PUERTO RICO	98,633,490
TOTAL	[illegible]

FACTORS USED TO CONVERT STANDARD CASES TO POUNDS

PRODUCT	1940 AND PRIOR YEARS	1941	1942	1943	1944 TO 1947
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	25	25	20.3	20.3	20.3
PACIFIC	48	48	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	24	21	22.5	22.5	21
CHUNKS	-	-	-	-	(1)
FLAKES	24	21	18	18	18
MACKEREL	48	48	45	45	45
ALEWIVES	48	48	48	45	45
ANCHOVIES	48	48	48	48	48
SHAD	48	48	48	48	45
FISH FLAKES	48	48	48	48	42
OYSTERS	15	15	15	22.5	22.5
SHRIMP, WET PACK	17.25	17.25	21	21	21
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH, ETC.	30	30	30	30	30
CRABS	2/39	39	39	39	39
ALL OTHER	48	48	48	48	48

PRODUCT	1948 TO 1951	1952	1953 TO 1957	1958 TO 1964	1965 TO 1969
	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE	POUNDS PER CASE
SARDINES:					
MAINE	20.3	20.3	20.3	23.4	23.4
PACIFIC	45	45	45	45	45
TUNA AND TUNALIKE FISHES:					
SOLID	21	21	21	21	21
CHUNKS	(1)	19.5	19.5	19.5	19.5
FLAKES	18	18	18	18	18
MACKEREL	45	45	45	45	45
ALEWIVES	45	45	45	45	45
ANCHOVIES	48	48	31.25	31.25	31.25
SHAD	45	45	45	45	45
FISH FLAKES	42	42	48	48	48
OYSTERS	14	14	14	14	14
SHRIMP, WET PACK	15	15	15	15	6.75
CLAM PRODUCTS:					
WHOLE AND MINCED	15	15	15	15	15
JUICE, CHOWDER, BROTH ETC.	30	30	30	30	30
CRABS	19.5	19.5	19.5	19.5	19.5
ALL OTHER	48	48	48	48	48

1/ PRIOR TO 1952 CHUNK PACK TUNA WAS INCLUDED WITH THE FLAKE PACK. 2/ PRIOR TO 1939 THE PACK OF CRAB MEAT CONTAINED 48 POUNDS PER CASE. NOTE:--THE FACTORS LISTED ABOVE WERE USED IN CONVERTING STANDARD CASES REPORTED IN THE CANNED FISHERY PRODUCTS BULLETINS FOR THE YEARS INDICATED.

PLANTS PRODUCING CANNED FISHERY PRODUCTS, 1969

AREA AND STATE	NUMBER OF PLANTS
NEW ENGLAND:	
MAINE	26
MASSACHUSETTS	5
CONNECTICUT	1
TOTAL	32
MIDDLE ATLANTIC:	
NEW YORK	10
NEW JERSEY	13
PENNSYLVANIA	5
DELAWARE	1
TOTAL	29
CHESAPEAKE BAY:	
MARYLAND	4
VIRGINIA	4
TOTAL	8
SOUTH ATLANTIC AND GULF:	
NORTH CAROLINA	5
SOUTH CAROLINA	2
FLORIDA	4
MISSISSIPPI	12
LOUISIANA	19
TEXAS	2
TOTAL	44
GREAT LAKES AND MISSISSIPPI RIVER:	
ILLINOIS	1
KANSAS	1
MICHIGAN	2
NEBRASKA	1
WISCONSIN	3
TOTAL	8
PACIFIC COAST:	
WASHINGTON	43
OREGON	19
CALIFORNIA	19
ALASKA	95
TOTAL	176
HAWAII	1
AMERICAN SAMOA	2
PUERTO RICO	4
GRAND TOTAL	304

PACK OF SALMON, 1969

(STANDARD CASES)

SPECIES	ALASKA		WASHINGTON	
	CASES	VALUE	CASES	VALUE
CHINOOK OR KING . .	32,788	$1,374,800	9,729	$351,700
CHUM OR KETA. . . .	210,229	5,760,273	1,516	45,006
PINK.	1,185,593	37,735,012	68,697	2,544,676
RED OR SOCKEYE. . .	766,101	29,551,933	106,498	5,817,011
SILVER OR COHO. . .	88,457	3,313,186	17,007	695,449
TOTAL.	2,283,168	77,735,204	203,447	9,453,842

SPECIES	OREGON		TOTAL	
	CASES	VALUE	CASES	VALUE
CHINOOK OR KING . .	1/ 26,931	1/$1,306,959	69,448	$3,033,459
CHUM OR KETA. . . .	393	11,268	212,138	5,816,547
PINK.	7,160	266,704	1,261,450	40,546,392
RED OR SOCKEYE. . .	8,726	503,234	881,325	35,872,178
SILVER OR COHO. . .	18,102	900,510	123,566	4,909,145
STEELHEAD	2,994	108,245	2,994	108,245
TOTAL.	64,306	3,096,920	2,550,921	90,285,966

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES. SALMON WERE CANNED IN 22 PLANTS IN WASHINGTON, 10 IN OREGON, 71 IN ALASKA, AND 3 IN CALIFORNIA. THE PACK OF SMOKED SALMON IS INCLUDED IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS".

PACK OF SALMON, BY CAN SIZES, 1969

(STANDARD CASES)

STATE AND SPECIES	CAN SIZE							
	4-POUND TALL		1-POUND TALL		1/2-POUND FLAT		1/4-POUND FLAT	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALASKA:								
CHINOOK OR KING .	45	$1,534	12,686	$452,771	16,985	$776,718	3,072	$143,777
CHUM OR KETA. . .	14,459	439,739	171,917	4,651,098	23,420	653,857	433	15,579
PINK.	86,353	2,735,133	1,004,652	31,335,076	94,504	3,662,095	84	2,708
RED OR SOCKEYE. .	15,660	641,857	515,308	16,874,941	184,277	9,399,604	50,856	2,635,531
SILVER OR COHO. .	[illegible]	105,740	13,897	483,603	70,321	2,667,898	1,383	55,945
TOTAL. . . .	[illegible]	[illegible]	1,718,460	53,797,489	389,507	17,160,172	55,828	2,853,540
WASHINGTON:								
CHINOOK OR KING .	[illegible]	[illegible]	3,311	99,560	4,876	197,152	186	11,588
CHUM OR KETA. . .	50	1,400	322	8,700	1,144	34,906	-	-
PINK.	52	[illegible]	7,319	232,252	60,478	2,273,663	848	37,101
RED OR SOCKEYE. .	-	-	1,031	43,300	66,155	3,414,372	39,312	2,359,339
SILVER OR COHO. .	1,014	34,500	6,279	206,080	4,555	187,567	5,159	267,302
TOTAL. . . .	[illegible]	[illegible]	18,262	589,892	137,208	6,107,660	45,505	2,675,330
OREGON:								
CHINOOK OR KING 1/	-	-	3,221	89,542	20,858	1,027,231	2,852	190,186
CHUM OR KETA. . .	-	-	254	7,000	103	3,168	36	1,100
PINK.	-	-	196	6,240	6,557	242,464	407	18,000
RED OR SOCKEYE. .	-	-	56	2,300	2,224	123,000	6,446	377,934
SILVER OR COHO. .	-	-	2,612	85,942	4,717	194,122	10,773	620,446
STEELHEAD	-	-	1,200	15,600	672	31,032	1,122	61,613
TOTAL. . . .	-	-	7,539	206,624	35,131	1,621,017	21,636	1,269,279
GRAND TOTAL.	[illegible]	4,004,963	1,744,261	54,594,005	561,846	24,888,849	122,969	6,798,149

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

WASHINGTON AND OREGON SALMON PACK BY DISTRICTS, 1969

(STANDARD CASES)

SPECIES	PUGET SOUND		COLUMBIA RIVER		COASTAL		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
CHINOOK OR KING. .	6,946	$238,857	29,057	$1,391,758	1/ 657	1/ $28,044	36,660	$1,658,659
CHUM OR KETA . . .	889	26,289	1,020	29,985	-	-	1,909	56,274
PINK	68,642	2,542,654	7,202	268,246	13	480	75,857	2,811,380
RED OR SOCKEYE . .	108,581	5,943,030	6,627	376,319	16	896	115,224	6,320,245
SILVER OR COHO . .	24,335	1,146,377	10,452	435,898	322	13,684	35,109	1,595,959
STEELHEAD.	-	-	2,994	108,245	-	-	2,994	108,245
TOTAL. . . .	209,393	9,897,207	57,352	2,610,451	1,008	43,104	267,753	12,550,762

1/ INCLUDES A SMALL PACK PRODUCED IN CALIFORNIA.
NOTE;-- "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

PUGET SOUND SALMON PACK, BY ORIGIN OF FISH, 1969

(STANDARD CASES)

SPECIES	PUGET SOUND FISH	ALASKAN FISH	TOTAL FISH
	CASES	CASES	CASES
CHINOOK OR KING.	6,425	521	6,946
CHUM OR KETA	786	103	889
PINK	66,000	2,642	68,642
RED OR SOCKEYE	104,880	3,701	108,581
SILVER OR COHO	16,190	8,145	24,335
TOTAL.	194,281	15,112	209,393

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT 1 POUND CANS, EACH CONTAINING 16 OUNCES.

PACK OF MAINE SARDINES, 1969

STYLE OF PACK	STANDARD CASES	VALUE
IN SOYBEAN OIL	842,115	$9,506,728
IN OLIVE OIL	4,202	65,097
IN MUSTARD SAUCE	126,110	1,320,256
IN TOMATO SAUCE.	47,155	364,915
OTHER (IN PEANUT OIL AND WITH CHILI PEPPERS) . . .	23,224	254,906
TOTAL.	1,042,806	11,511,902

NOTE:-- "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE UNIFORM BASIS OF ONE HUNDRED 1/4 OIL CANS (3-3/4 OUNCES NET) TO THE CASE. SARDINES WERE CANNED IN 21 PLANTS IN MAINE.

PACK OF PACIFIC SARDINES, 1969

THERE WAS NO PRODUCTION OF CANNED PACIFIC SARDINES IN 1969.

PACK OF TUNA, 1969

(STANDARD CASES)

SPECIES	CALIFORNIA		WASHINGTON AND OREGON		ATLANTIC COAST, HAWAII AND TERRITORIES		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE	CASES	VALUE
ALBACORE:								
SOLID PACK. .	1,171,357	$21,493,081	784,895	$13,428,207	2,305,053	$37,311,097	4,261,305	$72,232,385
CHUNKS. . . .	521,467	8,583,046	193,619	2,963,905	1,213,475	18,658,069	1,928,561	30,205,020
FLAKES AND GRATED . . .	53,498	521,053	137,925	1,159,802	344,045	3,134,842	535,468	4,815,697
TOTAL . . .	1,746,322	30,597,180	1,116,439	17,551,914	3,862,573	59,104,008	6,725,334	107,253,102
LIGHT MEAT:								
SOLID PACK. .	692,677	10,441,786	2,479	37,126	539,957	7,192,500	1,235,113	17,671,412
CHUNKS. . . .	6,190,028	91,786,202	538,033	6,335,497	4,803,679	68,449,490	11,531,740	166,571,189
FLAKES AND GRATED . . .	361,067	3,541,298	(1)	(1)	244,385	2,418,947	605,452	5,960,245
TOTAL . . .	7,243,772	105,769,286	540,512	6,372,623	5,588,021	78,060,937	13,372,305	190,202,846
GRAND TOTAL	8,990,094	136,366,466	1,656,951	23,924,537	9,450,594	137,164,945	20,097,639	297,455,948

1/ THE PACK OF LIGHTMEAT FLAKES HAS BEEN INCLUDED WITH ALBACORE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK, 6-1/2 OUNCES NET WEIGHT OF CHUNKS, AND 6 OUNCES NET WEIGHT OF FLAKES OR GRATED. THE PACK OF DIETETIC TUNA IS INCLUDED IN THESE TOTALS. TUNA WERE CANNED IN 8 PLANTS IN CALIFORNIA, 9 PLANTS IN OREGON, 5 PLANTS IN WASHINGTON, 4 PLANTS IN PUERTO RICO, 2 PLANTS IN AMERICAN SAMOA, AND 1 PLANT EACH IN MARYLAND, FLORIDA, AND HAWAII. DATA ON THE PACK OF TUNA SPECIALTIES CAN BE FOUND IN THE TABLE "PACK OF MISCELLANEOUS FISHERY PRODUCTS". THE PACK OF TUNA FOR ANIMAL FOOD IS NOT INCLUDED IN THE ABOVE TABLE.

PACK OF TUNA, BY CAN SIZES, 1969

CAN AND CASE SIZE	ACTUAL CASES	VALUE
4 POUND . . . . (12 CANS). .	406,518	$11,070,616
1 POUND . . . . (48 CANS). .	779,799	21,673,592
1/2 POUND . . . . (48 CANS). .	14,728,811	214,217,559
1/4 POUND . . . . (48 CANS). .	2,329,844	22,562,908
9-1/4 OUNCES. . . . . (24 CANS). .	2,626,198	27,412,277
OTHER SIZES (CONVERTED TO STANDARD CASES)	32,943	518,996
TOTAL.	20,904,113	297,455,948

PACK OF TUNA, BY AREAS AND STATES, 1969

(STANDARD CASES)

AREA AND STATE	CASES	VALUE	AREA AND STATE	CASES	VALUE
PACIFIC COAST:			OTHER:		
WASHINGTON.	190,166	$2,483,421	FLORIDA, MARYLAND, HAWAII, AMERICAN SAMOA	3,116,421	$47,010,403
OREGON.	1,466,785	21,441,116	PUERTO RICO.	6,334,173	90,154,542
CALIFORNIA.	8,990,094	136,366,466	TOTAL.	9,450,594	137,164,945
TOTAL.	10,647,045	160,291,003	GRAND TOTAL. . . .	20,097,639	297,455,948

PACK OF TUNALIKE FISH, 1969

SPECIES	STANDARD CASES	VALUE
BONITO:		
SOLID PACK, CHUNKS, AND FLAKES OR GRATED.	252,548	$2,180,363

NOTE:--"STANDARD CASES" REPRESENT THE EQUIVALENT OF FORTY-EIGHT NO. 1/2 TUNA CANS TO THE CASE, EACH CONTAINING 7 OUNCES NET WEIGHT OF SOLID PACK. TUNALIKE FISHES WERE CANNED IN 6 PLANTS IN CALIFORNIA AND 1 PLANT IN FLORIDA.

GENERAL REVIEW

PACK OF ALEWIVES, 1969

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
NORTH CAROLINA (3) AND VIRGINIA (2)	62,260	$367,898

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

PACK OF MACKEREL, 1969

ITEM	STANDARD CASES	VALUE
JACK MACKEREL, NATURAL AND IN TOMATO SAUCE.	378,923	$3,258,948
PACIFIC MACKEREL, NATURAL	6,723	57,773
TOTAL.	385,646	3,316,721

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH. MOST OF THE PACK WAS CANNED IN 15 OUNCE CANS. MACKEREL WERE CANNED IN 5 PLANTS IN CALIFORNIA.

PACK OF SHAD, 1969

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
OREGON (1), WASHINGTON (2), AND VIRGINIA (1).	1,998	$17,609

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS OF 15 OUNCES EACH.

PACK OF ANIMAL FOOD FROM FISHERY PRODUCTS, 1969

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
MASSACHUSETTS (3)	2,590,580	$22,361,702
NEW YORK (2) AND NEW JERSEY (1)	105,965	583,125
PENNSYLVANIA (3).	146,562	1,269,905
MARYLAND (1), VIRGINIA (1), NORTH CAROLINA (1), AND FLORIDA (1).	109,385	852,231
MISSISSIPPI (4) AND LOUISIANA (1)	2,300,363	11,221,047
ILLINOIS (1), KANSAS (1), NEBRASKA (1), AND WISCONSIN (2).	495,524	3,514,088
CALIFORNIA (11)	2,223,493	24,274,477
WASHINGTON (4).	145,444	1,252,196
OREGON (7).	397,917	3,177,478
HAWAII (1) AND AMERICAN SAMOA (2)	257,405	3,632,537
PUERTO RICO (4)	629,994	8,478,948
TOTAL (52)	9,402,632	80,617,734

NOTE:--EACH STANDARD CASE CONTAINS 10 OR MORE POUNDS OF FISH. AN ADDITIONAL PACK (4,062,943 STANDARD CASES VALUED AT $19,789,597) HAD LESS THAN 10 POUNDS OF FISH PER STANDARD CASE AND IS NOT INCLUDED IN THE ABOVE PACK. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, 1969

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	VALUE	STATE OF PRODUCTION AND NUMBER OF PLANTS
ALEWIFE ROE (6)	20,942	$242,700	VIRGINIA (3) AND NORTH CAROLINA (3)
SHAD ROE (5).	615	73,164	OREGON (3), WASHINGTON (1), AND CALIFORNIA (1)
SALMON CAVIAR (4)	2,715	490,964	NEW YORK (4)
WHITEFISH CAVIAR (4).	3,941	354,287	NEW YORK (3) AND WISCONSIN (1)
GROUNDFISH ROE (1), STURGEON ROE (3).	7,477	2,884,240	MASSACHUSETTS (1) AND NEW YORK (3)
LUMPFISH CAVIAR (3)	2,307	194,063	NEW YORK (3)
TOTAL EDIBLE ROE AND CAVIAR (17) 1/.	37,997	4,239,418	
SALMON EGGS FOR BAIT (9). . . .	12,907	1,856,153	WASHINGTON (8) AND MICHIGAN (1)
GRAND TOTAL (26) 1/. . . .	50,904	6,095,571	

1/ EXCLUSIVE OF DUPLICATION.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES.

PACK OF FISH ROE AND CAVIAR, BY STATES, 1969

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
NEW YORK (4).	11,740	$3,802,815
NORTH CAROLINA (3).	2,997	35,961
VIRGINIA (3).	17,945	206,739
WASHINGTON (9).	11,560	1,712,711
OREGON (3).	532	62,054
WISCONSIN (1), CALIFORNIA (1), MASSACHUSETTS (1) AND MICHIGAN (1)	6,130	275,291
TOTAL (26)	50,904	6,095,571

PACK OF CRAB MEAT, 1969

STATE AND NUMBER OF PLANTS	SPECIES	STANDARD CASES	VALUE
ATLANTIC AND GULF STATES:			
MAINE (1), NORTH CAROLINA (1), SOUTH CAROLINA (1), AND MISSISSIPPI (2).	BLUE 1/	106,774	$4,406,062
PACIFIC COAST STATES:			
WASHINGTON (4).	DUNGENESS	35,672	1,480,469
OREGON (3) AND CALIFORNIA (1)	DUNGENESS	7,162	288,962
ALASKA (12)	KING	69,518	5,922,250
ALASKA (9).	DUNGENESS	9,632	514,558
ALASKA (6).	TANNER	29,026	1,718,963
TOTAL, EXCLUSIVE OF DUPLICATION (27)		151,010	9,925,202
GRAND TOTAL (32)		257,784	14,331,264

1/ INCLUDES A SMALL PACK OF ROCK CRABS IN MAINE.

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE EACH CONTAINING 6-1/2 OUNCES.

PACK OF CLAMS AND CLAM PRODUCTS, 1969

(STANDARD CASES)

SPECIES	WHOLE AND MINCED		CHOWDER AND JUICE		TOTAL	
	CASES	VALUE	CASES	VALUE	CASES	VALUE
CLAMS:						
HARD, SOFT AND SURF . .	430,667	$6,904,624	1,881,363	$15,087,737	2,312,030	$21,992,361
RAZOR	1,446	52,914	-	-	1,446	52,914
TOTAL.	432,113	6,957,538	1,881,363	15,087,737	2,313,476	22,045,275

NOTE:--CLAMS WERE CANNED IN 8 PLANTS IN NEW JERSEY, 5 PLANTS IN WASHINGTON, 3 PLANTS IN ALASKA AND MAINE, 2 PLANTS EACH IN OREGON, MASSACHUSETTS, NEW YORK, AND MARYLAND, AND 1 PLANT EACH IN DELAWARE, CONNECTICUT, PENNSYLVANIA, AND CALIFORNIA. "STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT NO. 1 PICNIC CANS, EACH CAN OF WHOLE OR MINCED CLAMS CONTAINING 5 OUNCES OF MEAT, DRAINED WEIGHT, AND EACH CAN OF CHOWDER, JUICE, BROTH, NECTAR, 10 OUNCES NET CONTENT. THE PACK OF CLAMS IN THE SHELL IS NOT INCLUDED.

CLAM PRODUCTION, BY TYPE OF PACK, 1969

PRODUCT AND NUMBER OF PLANTS	STANDARD CASES	POUNDS	VALUE
CLAMS:			
WHOLE (9)	7,401	111,015	$204,461
MINCED (17)	424,712	6,370,680	6,753,077
CHOWDER (16).	1,724,450	51,733,500	14,188,935
JUICE (INCLUDES BOUILLON, BROTH, AND NECTAR) (10)	156,913	4,707,390	898,802
TOTAL, EXCLUSIVE OF DUPLICATION (31). . .	2,313,476	62,922,585	22,045,275

PACK OF OYSTERS, 1969

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
SOUTH CAROLINA (1), MISSISSIPPI (6), LOUISIANA (6), WASHINGTON (2), AND OREGON (1)	142,848	$2,163,504

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS TO THE CASE EACH CONTAINING 4-2/3 OUNCES OF OYSTER MEATS.

PACK OF SHRIMP, 1969

STATE AND NUMBER OF PLANTS	STANDARD CASES	VALUE
GULF STATES:		
TEXAS (2), LOUISIANA (14), AND MISSISSIPPI (10).	2,028,854	$20,898,124
ATLANTIC AND PACIFIC STATES:		
WASHINGTON (1), MAINE (1), AND OREGON (3).	160,550	1,242,060
ALASKA (7)	881,617	5,589,912
TOTAL (12)	[illegible]	[illegible]
GRAND TOTAL (38)	[illegible]	2 ,730,096

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF TWENTY-FOUR CANS TO THE CASE, EACH CONTAINING 4-1/2 OUNCES OF SHRIMP MEATS.

PACK OF MISCELLANEOUS FISHERY PRODUCTS, 1969

PRODUCT	STANDARD CASES	VALUE	LOCATION AND NUMBER OF PLANTS
FISH:			
ANCHOVY PASTE.	1,433	$127,446	NEW YORK (2), MARYLAND (1), AND MICHIGAN (1)
GELFILTEFISH	297,453	5,404,408	NEW YORK (1) AND NEW JERSEY (3)
SALMON:			
SMOKED	2,133	200,071	OREGON (7), WASHINGTON (14), CALIFORNIA (1), AND ALASKA (12)
SPECIALTIES (SPREADS, CREAMED AND SMOKED PASTE)	271	13,667	MAINE (2), WASHINGTON (1), AND MICHIGAN (1)
STURGEON SMOKED.	480	36,118	WASHINGTON (6) AND OREGON (4)
TUNA SPECIALTIES, SMOKED, CREAMED, SPREADS, AND WITH NOODLES	69,258	1,321,702	MAINE (1), OREGON (2), WASHINGTON (3), CALIFORNIA (5), AND PENNSYLVANIA (2)
OTHER (ANCHOVIES, BONITO, COD, HADDOCK, SEA HERRING, KING MACKEREL, ATLANTIC MACKEREL, MARLIN, SABLEFISH, SHAD, WAHOO, WHITEFISH, YELLOWTAIL, ETC. ALL ARE NATURAL PACK OR IN SAUCES, OR ARE SMOKED, CHOWDERS, BITES, FLAKES ETC.).	114,975	1,707,560	CALIFORNIA (3), NEW JERSEY (3), MASSACHUSETTS (1), MAINE (8), FLORIDA (2), OREGON (1), WASHINGTON (1), MICHIGAN (1), CONNECTICUT (1), AND AMERICAN SAMOA (2) ALASKA (1)
TOTAL FISH	[illegible]	[illegible]	
SHELLFISH:			
CRAB SPECIALTIES (DEVILED, GUMBO, BISQUE, SOUPS, COCKTAILS, SMOKED, DIPS, AND SAUCES)	24,467	615,985	SOUTH CAROLINA (1), LOUISIANA (1), MARYLAND (1), NEW JERSEY (1), OREGON (1), WASHINGTON (2), AND MAINE (1)
LOBSTER SPECIALTIES (MEAT, DIPS, SPREADS, NEWBURGS, KNUCKLES, CHOWDERS, IN SAUCES, AND DEVILED).	16,866	507,626	NEW JERSEY (1), MAINE (1), DELAWARE (1) CONNECTICUT (1), AND MARYLAND (1)
SHRIMP SPECIALTIES (COCKTAILS, CREOLES, DIPS, GUMBO, CHOWDERS, NEWBURGS, SOUPS, BISQUE AND IN SAUCE).	23,681	437,556	LOUISIANA (3), NEW JERSEY (2), OREGON (1), MARYLAND (1), AND MICHIGAN (1)
CLAM SPECIALTIES (DIPS, FRITTERS, CRISPS, SPREADS, IN THE SHELL, SMOKED, SOUPS, STEWS AND IN SAUCES)	131,825	1,998,130	MAINE (2), MARYLAND (1), DELAWARE (1), NEW JERSEY (2), WASHINGTON (4), AND OREGON (1)
CONCH MEAT	13,584	390,659	NEW YORK (1), NEW JERSEY (1), AND DELAWARE (1)
OYSTER SPECIALTIES:			
SMOKED	281	33,670	WASHINGTON (5)
STEW	155,568	2,806,743	NEW JERSEY (2), SOUTH CAROLINA (1), FLORIDA (1), WASHINGTON (3) OREGON (1), AND LOUISIANA (1)
BISQUE, SOUPS, AND SMOKED PASTE.	14,101	129,275	NEW JERSEY (1), LOUISIANA (1), AND WASHINGTON (2)
SQUID.	227,266	1,151,367	NEW YORK (1), NEW JERSEY (1), AND CALIFORNIA (6)
TURTLE MEAT, SOUPS, CHOWDERS, AND CONSOMMES	10,799	297,461	NEW JERSEY (1), FLORIDA (1), AND LOUISIANA (2)
OTHER SPECIALTIES (CRAWFISH, ABALONE, SPINY LOBSTER, CONCH, MUSSELS, AND SCALLOPS, PACKED NATURAL OR IN SAUCES, ETC.) . . .	7,132	233,259	LOUISIANA (2), MARYLAND (1), CALIFORNIA (1), FLORIDA (1), NEW YORK (1), AND NEW JERSEY (1)
TOTAL SHELLFISH.	625,570	8,601,731	
GRAND TOTAL.	1,111,573	17,412,703	

NOTE:--"STANDARD CASES" REPRESENT THE VARIOUS SIZE CASES CONVERTED TO THE EQUIVALENT OF FORTY-EIGHT CANS, EACH CONTAINING 16 OUNCES NET WEIGHT.

INDUSTRIAL FISHERY PRODUCTS, 1969

The production of industrial fishery products by 138 plants in the United States, American Samoa, and Puerto Rico was valued at $83.0 million--an increase of $12.9 million compared with 1968.

Marine animal scrap and meal. The production of 252,664 tons of marine animal scrap and meal was 17,528 tons (7 percent) more than in 1968. An increase in menhaden meal and scrap--159,493 tons in 1969 compared with 143,154 tons in 1968--accounted largely for the gain. Menhaden meal and scrap was 63 percent of the total meal and scrap production. Fishing for menhaden along the Atlantic Coast was generally poor, but a record catch was taken in the Gulf of Mexico.

Marine animal oil. The production of Marine animal oil was 169.8 million pounds--a decline of 4.3 million compared with 1968. The menhaden oil production of 149.2 million pounds was 2 percent less than in 1968 because the fish were small and the yield of oil was low. Menhaden oil accounted for 88 percent of the total production.

Fish solubles. The production of fish solubles was 81,692 tons--9,859 tons (14 percent) more than in 1968. Homogenized condensed fish has not been produced since 1963.

Other industrial products. Products from oyster shells and buttons from fresh-water and marine mollusk shells were valued at $4.2 million--a decline of $481,000 compared with 1968.

Other industrial items produced included agar-agar, fish feed pellets, animal feeds, Irish moss extracts, kelp products, pearl essence, crab and clam shells, and shell dust valued at $25.6 million. These products were valued at $24.2 million in 1968.

Data on the production of industrial fishery products during 1969 have been published in Current Fishery Statistics No. 5255.

SUMMARY OF PRODUCTION, BY COMMODITIES, 1969

PRODUCT	NUMBER OF PLANTS	UNIT	QUANTITY	VALUE
MARINE ANIMAL SCRAP AND MEAL	118	TONS	252,664	$39,822,768
MARINE ANIMAL OILS, BODY OIL	61	THOUSAND POUNDS	169,785	9,326,393
FISH SOLUBLES	30	TONS	81,692	4,123,126
MARINE PEARL AND MUSSEL SHELL BUTTONS	3	GROSS	409,620	841,000
OYSTER SHELL GRIT AND LIME ("LIVE AND REEF SHELLS")	6	TONS	207,[illegible]	[illegible],329,118
MISCELLANEOUS INDUSTRIAL PRODUCTS	25	-	-	25,562,406
TOTAL	1/138	-	-	83,004,811

1/ EXCLUSIVE OF DUPLICATION.

VALUE OF PRODUCTION, BY STATES, 1969

STATE	VALUE
MAINE	$12,479,192
MASSACHUSETTS AND RHODE ISLAND	1,702,887
NEW YORK AND PENNSYLVANIA	420,954
NEW JERSEY	1,7[illegible]
MARYLAND	[illegible],50[illegible]
VIRGINIA	5,047,876
NORTH CAROLINA	3,930,665
GEORGIA AND ALABAMA	1,299,071
FLORIDA	3,119,271
MISSISSIPPI	[illegible],940
LOUISIANA	21,294,948
TEXAS, IOWA, AND WISCONSIN	3,341,786
ALASKA	11,356
WASHINGTON	1,272,080
OREGON	1,009,825
CALIFORNIA	16,590,162
AMERICAN SAMOA AND PUERTO RICO	1,153,961
TOTAL	83,004,811

PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1969

AREA AND STATE	NUMBER	AREA AND STATE	NUMBER
NEW ENGLAND:		SOUTH ATLANTIC AND GULF (CONTINUED):	
MAINE	12	MISSISSIPPI	4
MASSACHUSETTS	3	LOUISIANA	27
RHODE ISLAND	1	TEXAS	2
TOTAL	16	TOTAL	58
MIDDLE ATLANTIC:			
NEW YORK	1	GREAT LAKES, WISCONSIN	1
NEW JERSEY	6		
PENNSYLVANIA	2		
TOTAL	9	MISSISSIPPI RIVER, IOWA	2
CHESAPEAKE:		PACIFIC COAST:	
MARYLAND	5	ALASKA	1
VIRGINIA	12	WASHINGTON	6
		OREGON	4
TOTAL	17	CALIFORNIA	19
SOUTH ATLANTIC AND GULF:		TOTAL	30
NORTH CAROLINA	14		
GEORGIA	1		
FLORIDA	7	AMERICAN SAMOA	2
ALABAMA	2	PUERTO RICO	3
(CONTINUED)		GRAND TOTAL	138

NOTE:--LISTS OF MANUFACTURERS OF INDUSTRIAL FISHERY PRODUCTS BY INDIVIDUAL COMMODITIES MAY BE OBTAINED FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE, STATISTICS AND MARKET NEWS DIVISION, 1801 N. MOORE STREET, ARLINGTON, VIRGINIA 22209.

NUMBER OF PLANTS PRODUCING INDUSTRIAL FISHERY PRODUCTS, 1969

PRODUCT	ATLANTIC AND GULF COASTS 1/	PACIFIC COAST 2/	TOTAL
	NUMBER	NUMBER	NUMBER
SCRAP AND MEAL, DRIED:			
ALEWIFE	4	-	4
ANCHOVY	-	6	6
CRAB	14	2	16
GROUNDFISH	1	-	1
HERRING, SEA	5	2	7
MENHADEN	27	-	27
SHRIMP	20	1	21
TUNA AND MACKEREL	1	13	14
WHALE	-	1	1
THREAD HERRING	5	-	5
UNCLASSIFIED	11	5	16
OIL:			
BODY:			
ALEWIFE	1	-	1
ANCHOVY	-	6	6
HERRING, SEA	4	1	5
MENHADEN	25	-	25
SALMON	-	2	2
THREAD HERRING	2	-	2
TUNA AND MACKEREL	-	8	8
WHALE:			
SPERM	-	1	1
OTHER	-	1	1
UNCLASSIFIED	7	3	10
LIVER OILS	1	-	1
MUSSEL SHELL PRODUCTS (FRESH-WATER):			
BUTTONS	1	-	1
COLORED CHIPS AND DUST	1	-	1
OYSTER SHELL PRODUCTS:			
CRUSHED SHELL FOR POULTRY FEED	5	1	6
SHELL LIME (BURNED AND UNBURNED)	5	1	6
MARINE PEARL SHELL BUTTONS	2	-	2
AGAR-AGAR	-	1	1
FISH SOLUBLES	27	5	32
IRISH MOSS EXTRACTS	2	-	2
KELP PRODUCTS	-	3	3
LIQUID AND DRIED FERTILIZER	1	2	3
PEARL ESSENCE	6	-	6
CRAB SHELLS (FOR DEVILED CRAB MEAT)	3	-	3
ANIMAL FEEDS	-	4	4
ANIMAL FEED PELLETS	-	2	2
LEATHER PRODUCTS	1	-	1
TOTAL, EXCLUSIVE OF DUPLICATION	102	36	138

1/ INCLUDES FIRMS IN THE MISSISSIPPI RIVER AND GREAT LAKES AREA.

2/ INCLUDES AMERICAN SAMOA AND PUERTO RICO.

PRODUCTION OF MARINE ANIMAL SCRAP AND MEAL, 1969

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND TERRITORIES		AL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
DRIED SCRAP AND MEAL:						
ALEWIFE	1/ 1,451	1/ $217,380	-	-	1,451	$217,380
ANCHOVY	-	-	11,436	$1,738,195	11,436	1,738,195
CRAB.	2/ 7,747	2/ 400,644	-	-	7,747	400,644
HERRING, SEA.	2/ 6,563	2/1,044,801	-	-	6,563	1,044,801
MENHADEN.	159,493	26,960,278	-	-	159,493	26,960,278
SHRIMP.	2/ 691	29,185	-	-	691	29,185
THREAD HERRING.	1,061	179,654	-	-	1,061	179,654
TUNA AND MACKEREL	-	-	3/26,870	3/3,238,956	26,870	3,238,956
WHALE	-	-	844	101,237	844	101,237
UNCLASSIFIED.	33,600	5,550,970	1/ 2,908	1/ 361,468	36,508	5,912,438
TOTAL.	210,606	34,382,912	42,058	5,439,856	252,664	39,822,768

1/ INCLUDES QUANTITIES PRODUCED IN THE GREAT LAKES. 2/ INCLUDES QUANTITIES PRODUCED ON THE PACIFIC COAST.
3/ INCLUDES QUANTITIES PRODUCED ON THE ATLANTIC COAST.

PRODUCTION OF MARINE ANIMAL OIL, 1969

PRODUCT	ATLANTIC AND GULF COASTS		PACIFIC COAST AND PUERTO RICO		TOTAL	
	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE	THOUSAND POUNDS	VALUE
BODY OIL:						
ANCHOVY	-	-	4,862	$207,416	4,862	$207,416
HERRING, SEA.	1/ 3,484	1/ $217,339	-	-	3,484	217,339
MENHADEN.	149,155	8,252,716	-	-	149,155	8,252,716
TUNA AND MACKEREL	-	-	4,256	132,172	4,256	132,172
WHALE:						
SPERM	-	-	409	25,187	409	25,187
OTHER	-	-	1,327	78,702	1,327	78,702
UNCLASSIFIED.	2/ 5,045	2/ 351,832	3/ 1,247	3/ 61,029	6,292	412,861
TOTAL.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

1/ INCLUDES SMALL QUANTITIES PRODUCED ON THE PACIFIC COAST. 2/ INCLUDES LIVER OILS. 3/ INCLUDES SMALL QUANTITIES PRODUCED IN THE GREAT LAKES AND MISSISSIPPI RIVER AREAS. NOTE:--TO CONVERT POUNDS OF OIL TO GALLONS, DIVIDE BY [illegible].

PRODUCTION OF FISH SOLUBLES, 1969

PRODUCT, STATE, AND NUMBER OF PLANTS	TONS	VALUE
FISH SOLUBLES:		
MASSACHUSETTS (1), RHODE ISLAND (1), AND OREGON (1)	3,287	$218,910
NEW JERSEY (2), NEW YORK (1).	2,182	104,441
NORTH CAROLINA (4).	6,894	319,653
VIRGINIA (3) AND FLORIDA (1).	9,164	391,205
MISSISSIPPI (3)	11,567	577,843
LOUISIANA (8) AND TEXAS (1)	34,732	1,729,877
CALIFORNIA (4).	13,866	781,197
TOTAL (30)	81,692	4,123,126

NOTE:--INCLUDES MENHADEN SOLUBLES.

PRODUCTION OF MENHADEN PRODUCTS, 1969

STATE AND NUMBER OF PLANTS	DRIED SCRAP AND MEAL		OIL		SOLUBLES		TOTAL
	TONS	VALUE	POUNDS	VALUE	TONS	VALUE	VALUE
NEW YORK (1) AND NEW JERSEY (2).	3,635	$612,846	5,299,791	$257,042	1,819	$89,221	$959,109
VIRGINIA (3) AND FLORIDA (2) . .	20,088	3,668,103	14,079,782	758,555	8,255	352,902	4,779,560
NORTH CAROLINA (8)	15,329	2,791,809	9,671,039	598,793	6,894	319,653	3,710,255
MISSISSIPPI (3).	23,458	3,720,851	20,746,696	1,204,646	11,567	577,843	5,503,340
LOUISIANA (8) AND TEXAS (1). . .	96,983	16,166,669	99,357,898	5,433,680	34,732	1,729,877	23,330,226
TOTAL (28).	159,493	26,960,278	149,155,206	8,252,716	63,267	3,069,496	38,282,490

NOTE:--INCLUDES A SMALL QUANTITY OF OTHER SPECIES.

PRODUCTION OF OYSTER SHELL PRODUCTS, 1969

("REEF AND LIVE SHELLS")

STATE AND NUMBER OF PLANTS	POULTRY GRIT		LIME, BURNED AND UNBURNED		TOTAL	
	TONS	VALUE	TONS	VALUE	TONS	VALUE
MARYLAND (1), FLORIDA (1), AND TEXAS (1).	83,160	$1,559,446	41,148	$321,148	124,308	$1,880,594
ALABAMA (1), PENNSYLVANIA (1), OREGON (1), AND VIRGINIA (2) . .	78,433	1,297,235	4,591	151,289	83,024	1,448,524
TOTAL (8).	161,593	2,856,681	45,739	472,437	207,332	3,329,118

PRODUCTION OF MARINE PEARL SHELL BUTTONS, 1969 1/

STATE AND NUMBER OF PLANTS	BUTTONS	
	GROSS	VALUE
PENNSYLVANIA (1) AND NEW JERSEY (2).	409,620	$841,000

1/ INCLUDES FRESH-WATER MUSSEL SHELL BUTTONS.

PRODUCTION OF MISCELLANEOUS INDUSTRIAL FISHERY PRODUCTS, 1969

PRODUCT	STATE AND NUMBER OF PLANTS	VALUE
AGAR-AGAR.	CALIFORNIA (1)	$25,562,406
ANIMAL FEED AND FISH FEED PELLETS. . . .	CALIFORNIA (4), WASHINGTON (1), OREGON (1)	
IRISH MOSS EXTRACTS.	MAINE (2)	
KELP PRODUCTS.	CALIFORNIA (3)	
LEATHER PRODUCTS	NEW JERSEY (1)	
LIQUID AND DRIED FERTILIZER.	CALIFORNIA (1), OREGON (1), VIRGINIA (1)	
COLORED CHIPS.	IOWA (1)	
PEARL ESSENCE.	MAINE (6)	
CRAB AND HARD CLAM SHELLS (PROCESSED FOR FOOD SERVING)	ALABAMA (1), MISSISSIPPI (1), NORTH CAROLINA (1)	
MUSSEL SHELL, LIME AND DUST.	IOWA (1)	

NOTE:--DOES NOT INCLUDE $6.2 MILLION WORTH OF SEAL SKINS, PROCESSED IN SOUTH CAROLINA.

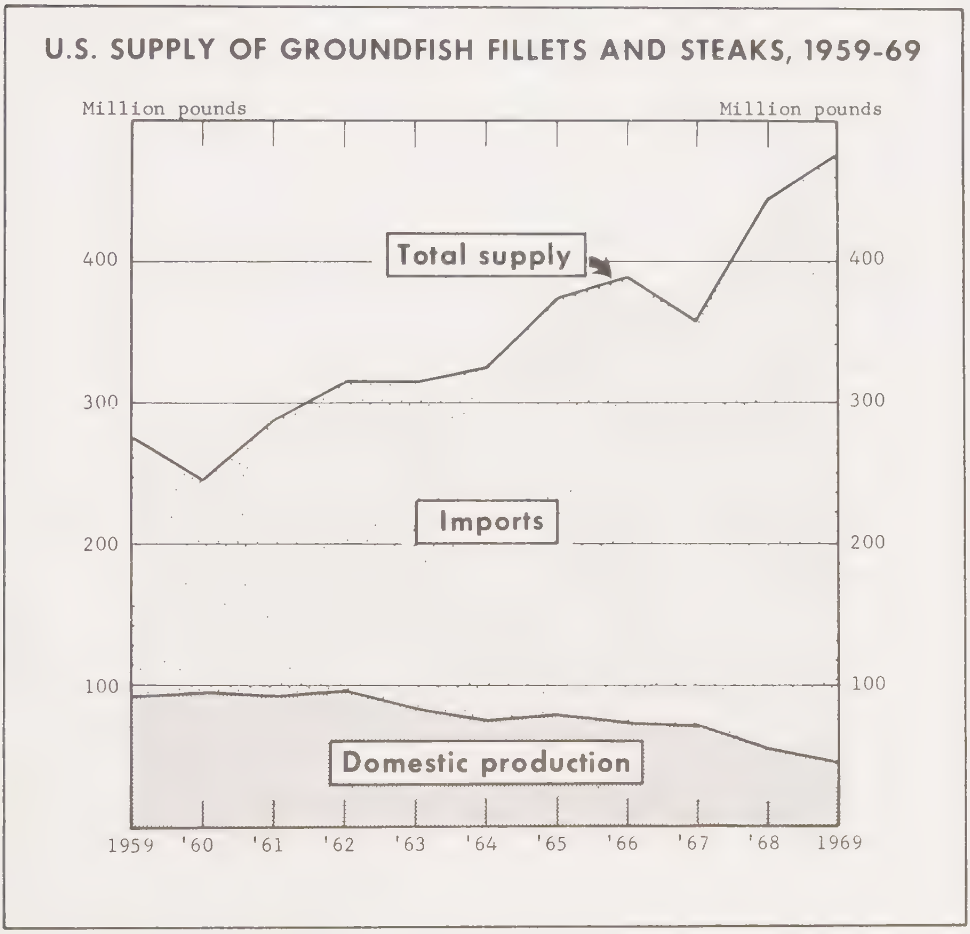
GENERAL REVIEW

PACKAGED FISHERY PRODUCTS, 1969

The production of fresh and frozen packaged fish fillets and steaks in the United States, excluding Alaska and Hawaii, was 137.6 million pounds worth $69.5 million--an increase of 2.1 million pounds and $9.1 million compared with 1968.

Flounder fillets (46.2 million pounds), cod fillets and steaks (15.4 million), Atlantic ocean perch fillets (14.6 million), and haddock fillets (13.4 million pounds) were the principal items. They accounted for 65 percent of the volume and 64 percent of the value. Rockfish fillets, halibut steaks, and Pacific ocean perch fillets were among the other important leading items. The New England area continued to lead all other areas in the production of packaged fish with 56 percent of the volume and 54 percent of the value.

Data on the production of packaged fish during 1969 have been published previously in Current Fishery Statistics No. 5256.


U.S. SUPPLY OF GROUNDFISH FILLETS AND STEAKS, 1959-69

SUMMARY OF PRODUCTION OF PACKAGED FISH, 1969

ITEM	FILLETS		STEAKS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FRESH	82,337,887	$43,440,055	1,844,320	$1,201,134	84,182,207	$44,641,189
FROZEN.	42,685,126	16,961,095	10,745,522	7,854,956	53,430,648	24,816,051
TOTAL.	125,023,013	60,401,150	12,589,842	9,056,090	137,612,855	69,457,240

PRODUCTION OF FRESH AND FROZEN PACKAGED FISH, BY SECTIONS, 1969

SPECIES	NEW ENGLAND		MIDDLE ATLANTIC		CHESAPEAKE, SOUTH ATLANTIC, AND GULF	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	11,982,394	$5,332,976	2,284,305	$1,311,817	-	-
CUSK.	572,252	221,170	-	-	-	-
FLOUNDERS	29,517,306	16,282,678	3,041,791	2,270,263	416,720	$206,896
GROUPERS.	-	-	-	-	247,845	190,543
HADDOCK	13,103,600	8,336,275	249,300	155,505	-	-
HAKE.	94,552	35,037	7,500	2,875	-	-
HALIBUT	1,156,912	761,081	-	-	-	-
KING MACKEREL	-	-	-	-	342,800	152,600
OCEAN PERCH, ATLANTIC .	14,617,719	4,037,088	-	-	-	-
POLLOCK	3,227,271	923,597	-	-	-	-
SALMON.	70,029	73,015	-	-	-	-
SHAD.	28,445	66,561	-	-	-	-
SNAPPER, RED.	-	-	-	-	242,316	351,528
SPANISH MACKEREL. . . .	-	-	-	-	2,392,500	1,076,517
SWORDFISH	1,793,955	1,240,375	-	-	-	-
WHITING	894,559	269,974	-	-	-	-
WOLFFISH.	143,174	55,019	-	-	-	-
UNCLASSIFIED.	1,015	386	15,000	5,700	620,020	183,422
TOTAL.	77,203,183	37,635,232	5,597,896	3,746,160	4,262,201	2,161,506

SPECIES	GREAT LAKES AND MISSISSIPPI RIVER		PACIFIC COAST	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	47,290	$19,321	-	-
CARP.	1,651,270	469,954	-	-
CATFISH	128,095	96,366	-	-
COD	-	-	1,129,903	$335,605
FLOUNDERS	-	-	13,253,138	6,201,410
HALIBUT	-	-	6,874,956	4,851,703
HERRING, LAKE	26,700	11,595	-	-
LAKE TROUT.	154,075	191,557	-	-
LINGCOD	-	-	2,009,884	609,851
OCEAN PERCH, PACIFIC. .	-	-	4,831,339	1,427,356
PERCH, PACIFIC.	-	-	434,026	170,457
PIKE OR PICKEREL. . . .	32,815	15,545	-	-
ROCKFISHES.	-	-	11,071,281	3,427,830
SABLEFISH	-	-	269,513	103,527
SALMON.	29,800	34,530	1,994,849	1,977,736
SAUGER.	406,500	495,050	-	-
SEA BASS.	-	-	391,089	214,163
SWORDFISH	-	-	915,581	767,165
WHITEFISH	1,137,800	1,222,175	-	-
YELLOW PERCH.	2,460,985	1,695,538	-	-
YELLOW PIKE	682,166	818,843	-	-
UNCLASSIFIED.	461,520	664,965	155,000	92,100
TOTAL.	7,219,016	5,735,439	43,330,559	20,178,903

PRODUCTION OF PACKAGED FISH, BY METHOD OF PREPARATION, 1969

SPECIES	FILLETS			
	FRESH		FROZEN	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	47,290	$19,321	-	-
CARP	1,651,270	469,954	-	-
CATFISH	128,095	96,366	-	-
COD	10,648,430	5,138,732	4,269,769	$1,709,863
CUSK	572,252	221,170	-	-
FLOUNDERS	36,043,422	20,126,241	10,185,533	4,835,006
GROUPERS	151,711	124,595	20,407	17,826
HADDOCK	11,499,786	7,491,535	1,853,114	1,000,245
HAKE	102,052	37,912	-	-
HALIBUT	130,198	99,954	275,480	218,160
HERRING, LAKE	26,700	11,595	-	-
KING MACKEREL	-	-	342,800	152,600
LAKE TROUT	113,200	134,630	40,875	56,927
LINGCOD	1,352,526	392,243	657,358	217,608
OCEAN PERCH:				
ATLANTIC	1,027,265	321,710	13,590,454	3,715,378
PACIFIC	2,789,761	782,202	2,041,578	645,154
PERCH, PACIFIC	434,026	170,457	-	-
PIKE OR PICKEREL	32,815	15,545	-	-
POLLOCK	2,306,746	707,667	920,525	215,930
ROCKFISHES	7,762,446	2,302,952	3,308,835	1,124,878
SABLEFISH	269,513	103,527	-	-
SALMON	-	-	577,892	638,316
SAUGER	394,500	482,550	12,000	12,500
SEA BASS	-	-	391,089	214,163
SHAD	28,445	66,561	-	-
SNAPPER, RED	99,837	130,181	142,479	221,347
SPANISH MACKEREL	-	-	2,392,500	1,076,517
WHITEFISH	1,034,130	1,115,794	103,670	106,381
WHITING	-	-	894,559	269,974
WOLFFISH	25,400	7,891	117,774	47,128
YELLOW PERCH	2,153,705	1,491,742	307,280	203,796
YELLOW PIKE	500,431	597,503	181,735	221,340
UNCLASSIFIED	1,011,935	779,525	57,420	40,058
TOTAL	82,337,887	43,440,055	42,685,126	[illegible]

SPECIES	STEAKS, FRESH AND FROZEN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	47,290	$19,321
CARP	-	-	1,651,270	469,954
CATFISH	-	-	128,095	96,366
COD	478,403	$131,803	15,396,602	6,980,398
CUSK	-	-	572,252	221,170
FLOUNDERS	-	-	46,228,955	24,961,247
GROUPERS	75,727	48,122	247,845	190,543
HADDOCK	-	-	13,352,900	8,491,780
HAKE	-	-	102,052	37,912
HALIBUT	7,626,190	5,294,670	8,031,868	5,612,784
HERRING, LAKE	-	-	26,700	11,595
KING MACKEREL	-	-	342,800	152,600
LAKE TROUT	-	-	154,075	191,557
LINGCOD	-	-	2,009,884	609,851
OCEAN PERCH:				
ATLANTIC	-	-	14,617,719	4,037,088
PACIFIC	-	-	4,831,339	1,427,356
PERCH, PACIFIC	-	-	434,026	170,457
PIKE OR PICKEREL	-	-	32,815	15,545
POLLOCK	-	-	3,227,271	923,597
ROCKFISHES	-	-	11,071,281	3,427,830
SABLEFISH	-	-	269,513	103,527
SALMON	1,516,786	1,446,965	2,094,678	2,085,281
SAUGER	-	-	406,500	495,050
SEA BASS	-	-	391,089	214,163
SHAD	-	-	28,445	66,561
SNAPPER, RED	-	-	242,316	351,528
SPANISH MACKEREL	-	-	2,392,500	1,076,517
SWORDFISH	2,709,536	2,007,540	2,709,536	2,007,540
WHITEFISH	-	-	1,137,800	1,222,175
WHITING	-	-	894,559	269,974
WOLFFISH	-	-	143,174	55,019
YELLOW PERCH	-	-	2,460,985	1,695,538
YELLOW PIKE	-	-	682,166	818,843
UNCLASSIFIED	183,200	126,990	1,252,555	946,573
TOTAL	12,589,842	9,056,090	137,612,855	[illegible]

PRODUCTION OF FISH STICKS, 1969

MONTH	COOKED	RAW	TOTAL
	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS
JANUARY	9,311	337	9,648
FEBRUARY	9,626	225	9,851
MARCH	10,152	720	10,872
APRIL	9,646	309	9,955
MAY	8,376	380	8,756
JUNE	7,807	310	8,117
JULY	6,478	293	6,771
AUGUST	7,501	314	7,815
SEPTEMBER	9,215	352	9,567
OCTOBER	11,112	335	11,447
NOVEMBER	9,218	573	9,791
DECEMBER	10,402	377	10,779
TOTAL	108,844	4,525	113,369
	THOUSAND DOLLARS	THOUSAND DOLLARS	THOUSAND DOLLARS
TOTAL VALUE-YEAR	49,369	1,873	51,242

NOTE:--A FISH STICK, GENERALLY CUT FROM A BLOCK OF FILLETS, IS AN ELONGATED PIECE OF BREADED FISH FLESH WEIGHING NOT LESS THAN 3/4 OF AN OUNCE AND NOT MORE THAN 1-1/2 OUNCES WITH THE LARGEST DIMENSION AT LEAST THREE TIMES THAT OF THE NEXT LARGEST DIMENSION.

* * *

PRODUCTION OF FISH PORTIONS, 1969

MONTH	BREADED			UNBREADED	TOTAL
	COOKED	RAW	TOTAL		
	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS	THOUSAND POUNDS
JANUARY	5,982	11,856	17,838	239	18,077
FEBRUARY	6,535	10,216	16,751	390	17,141
MARCH	6,730	11,772	18,502	250	18,752
APRIL	5,378	12,697	18,075	228	18,303
MAY	4,489	12,401	16,890	401	17,291
JUNE	3,468	11,380	14,848	361	15,209
JULY	2,560	9,471	12,031	327	12,358
AUGUST	5,294	11,434	16,728	439	17,167
SEPTEMBER	7,612	12,098	19,710	457	20,167
OCTOBER	9,047	13,635	22,682	487	23,169
NOVEMBER	7,314	11,590	18,904	435	19,339
DECEMBER	7,409	11,866	19,275	823	20,098
TOTAL	71,818	140,416	212,234	4,837	217,071
	THOUSAND DOLLARS	THOUSAND DOLLARS	THOUSAND DOLLARS	THOUSAND DOLLARS	THOUSAND DOLLARS
TOTAL VALUE-YEAR	28,760	52,900	81,660	2,059	83,719

NOTE:--A FISH PORTION, GENERALLY CUT FROM A BLOCK OF FILLETS, IS A PIECE OF FISH FLESH GENERALLY OF UNIFORM SIZE WITH A THICKNESS OF 3/8 OF AN INCH OR MORE, AND DOES NOT CONFORM TO THE DEFINITION OF A FISH STICK.

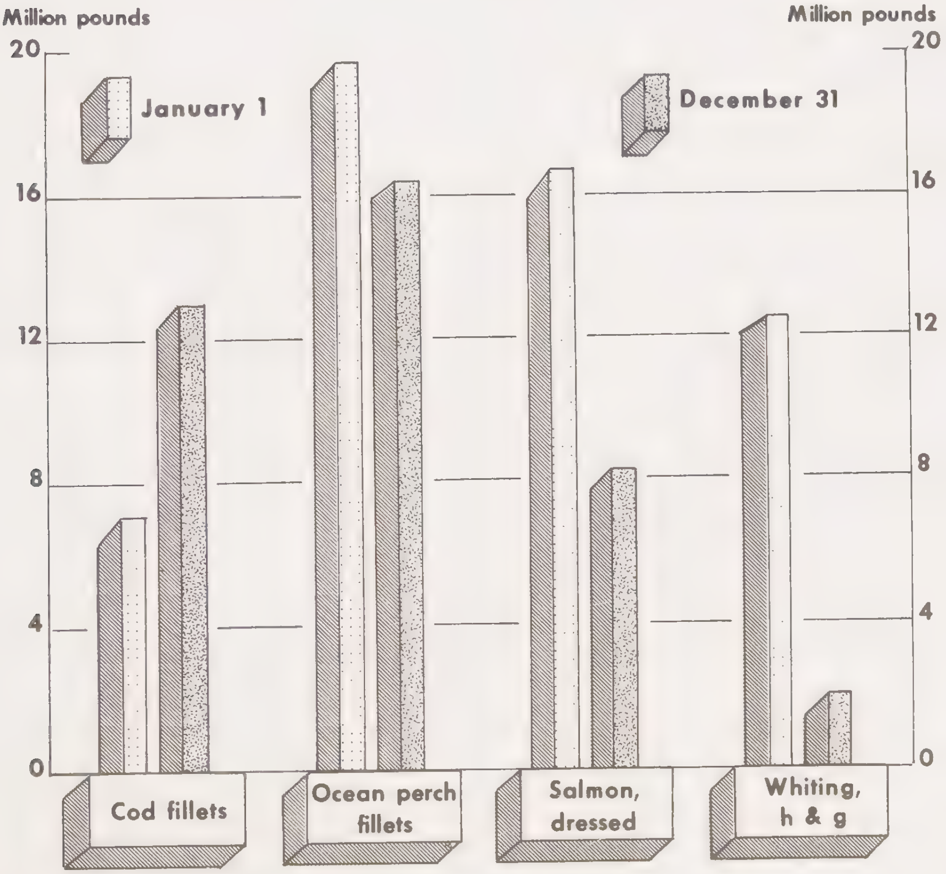
FROZEN FISHERY TRADE, 1969

The 1969 production of frozen fish and shellfish by firms reporting to the BCF was 352.7 million pounds. Leading products frozen were shrimp (128.0 million pounds); bait and animal food (61.9); fillets and steaks, consisting principally of ocean perch, haddock, and flounders (27.8); dressed halibut (18.7); whiting, headed and gutted (16.0); and salmon (15.6 million pounds). An estimated 530.5 million pounds of fish and shellfish (live weight) were required to produce the 352.7 million pounds of frozen fishery items. Not included were freezings by cold storage plants not reporting to the BCF and a considerable volume of frozen fillets and steaks produced by firms operating plate freezers at the end of fillet production lines.

South Central led all other areas in freezings with 108.9 million pounds (31 percent of the total), followed by New England with 101.1 million (29 percent), South Atlantic, 58.8; Pacific, 46.7; and Alaska, 33.8 million pounds. The Middle Atlantic, North Central East, and North Central West accounted for the remainder.

Information on the freezings and holdings of fishery products for 1969 by firms supplying monthly data on their operations and a list of these firms were published previously in Current Fishery Statistics No. 5215. Data on freezings and holdings were also published in the preliminary monthly bulletin, Frozen Fish Report, and in the final monthly report Frozen Fishery Products, which are also in the Current Fishery Statistics series.

HOLDINGS OF CERTAIN FISHERY PRODUCTS, January 1, 1969 and December 31, 1969



SUMMARY OF FREEZINGS, BY MONTHS, 1969

(THOUSANDS OF POUNDS)

SPECIES	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	84	42	121	110	164	171
FILLETS AND STEAKS:						
COD	129	82	167	182	134	147
FLOUNDER	195	134	192	231	92	172
HADDOCK	142	96	358	509	326	495
HALIBUT	-	-	-	-	-	424
OCEAN PERCH	834	761	815	1,471	1,048	1,820
POLLOCK	171	134	168	14	8	32
SALMON	-	-	1	4	55	18
WHITING	-	-	-	-	3	32
UNCLASSIFIED	82	185	47	201	278	348
TOTAL FILLETS AND STEAKS	1,553	1,392	1,748	2,612	1,944	3,488
TOTAL BLOCKS, FILLETS AND STEAKS	1,637	1,434	1,869	2,722	2,108	3,659
ROUND, DRESSED, ETC.:						
HALIBUT	-	-	-	176	2,691	3,093
MACKEREL (EXCEPT SPANISH)	9	8	15	58	786	470
SABLEFISH	1	-	11	68	60	29
SALMON:						
CHINOOK OR KING	-	-	-	35	681	2,034
SILVER OR COHO	-	-	-	15	2	507
CHUM OR KETA	-	-	-	3	-	28
OTHER	-	-	33	-	-	445
TOTAL SALMON	-	-	33	53	683	3,014
SMELT	4	1	9	-	-	16
SWORDFISH	-	-	-	-	-	2
TUNA	-	-	-	-	-	14
WHITING, HEADED AND GUTTED	-	-	1	55	312	2,197
OTHER (EXCEPT BAIT)	4,396	4,146	4,378	4,852	4,694	4,019
TOTAL SALT-WATER FISH	6,047	5,589	6,316	7,984	11,534	16,513
FRESH-WATER:						
FILLETS AND STEAKS	-	-	-	2	-	-
ROUND, DRESSED, ETC.:						
CHUBS	1	-	-	-	-	-
TROUT	56	44	44	69	71	75
WHITEFISH	-	-	-	-	3	-
OTHER (EXCEPT BAIT)	1	-	150	59	23	20
TOTAL FRESH-WATER FISH	58	44	194	130	97	95
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	3,759	3,592	3,607	4,926	4,633	4,684
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	871	225	138	238	185	186
SPINY LOBSTER (TAILS)	52	51	51	68	18	38
OYSTER MEATS	261	142	375	513	441	91
SCALLOP MEATS	64	48	114	170	193	360
SHRIMP:						
RAW (HEADLESS, SHELL-ON)	3,219	1,952	1,852	2,011	2,700	3,122
ALL OTHER (INCLUDING BREADED)	6,401	7,011	7,848	7,002	6,238	5,569
TOTAL SHRIMP	9,620	8,963	9,700	9,013	8,938	8,691
SQUID	165	156	65	59	1,129	360
OTHER	510	91	194	266	187	211
TOTAL SHELLFISH	11,543	9,676	10,637	10,327	11,091	9,937
TOTAL FISH AND SHELLFISH	21,407	18,901	20,754	23,367	27,355	31,229

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY MONTHS, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:							
BLOCKS	186	222	321	373	135	43	1,972
FILLETS AND STEAKS:							
COD	70	80	117	157	75	44	1,397
FLOUNDER	193	248	328	274	180	289	2,475
HADDOCK	266	304	227	296	180	153	3,362
HALIBUT	296	153	203	30	14	-	1,120
OCEAN PERCH	1,884	1,790	1,759	1,170	834	1,020	15,206
POLLOCK	72	54	47	54	148	364	1,266
SALMON	37	-	-	-	14	-	129
WHITING	128	29	38	44	4	-	275
UNCLASSIFIED	311	472	333	156	111	50	2,551
TOTAL FILLETS AND STEAKS	3,257	3,130	3,052	2,181	1,560	1,920	27,837
TOTAL BLOCKS, FILLETS AND STEAKS	3,443	3,352	3,373	2,554	1,695	1,963	29,809
ROUND, DRESSED, ETC.:							
HALIBUT	3,785	3,775	4,098	998	101	-	13,717
MACKEREL (EXCEPT SPANISH)	148	73	142	116	109	19	1,953
SABLEFISH	22	38	75	366	132	8	810
SALMON:							
CHINOOK OR KING	1,703	1,305	1,054	219	9	-	7,040
SILVER OR COHO	1,214	1,029	765	187	105	-	3,827
CHUM OR KETA	297	200	876	461	175	60	2,097
OTHER	1,379	642	94	5	4	9	2,611
TOTAL SALMON	4,593	3,176	2,789	872	293	69	15,575
SMELT	21	25	19	11	2	9	117
SWORDFISH	10	9	75	55	24	56	231
TUNA	135	389	510	109	7	-	1,664
WHITING, HEADED AND GUTTED	7,409	3,469	1,235	991	187	104	15,960
OTHER (EXCEPT BAIT)	4,477	5,760	4,694	7,473	5,559	6,151	60,299
TOTAL SALT-WATER FISH	24,043	20,066	17,010	13,545	8,109	8,379	145,135
FRESH-WATER:							
FILLETS AND STEAKS	-	-	-	-	18	-	20
ROUND, DRESSED, ETC.:							
CHUBS	-	6	7	-	3	-	17
TROUT	76	79	79	79	81	72	825
WHITEFISH	-	-	-	-	-	-	3
OTHER (EXCEPT BAIT)	2	16	24	2	2	9	308
TOTAL FRESH-WATER FISH	78	101	110	81	104	81	1,173
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	6,556	7,403	7,362	5,145	4,943	5,336	61,946
SHELLFISH							
CRABS (INCLUDING CRAB MEAT)	170	663	584	541	358	181	4,340
SPINY LOBSTER (TAILS)	45	-	37	47	59	47	513
OYSTER MEATS	197	3	39	10	21	164	2,257
SCALLOP MEATS	254	252	289	163	89	41	2,037
SHRIMP:							
RAW (HEADLESS, SHELL-ON)	4,225	5,052	5,549	6,236	5,306	3,895	45,119
ALL OTHER (INCLUDING BREADED)	6,258	6,596	7,521	7,977	7,509	6,957	82,887
TOTAL SHRIMP	10,483	11,648	13,070	14,213	12,815	10,852	128,006
SQUID	370	524	189	279	399	497	4,192
OTHER	257	246	254	280	251	349	3,096
TOTAL SHELLFISH	11,776	13,336	14,462	15,533	13,992	12,131	144,441
TOTAL FISH AND SHELLFISH	42,453	40,906	38,944	34,304	27,148	25,927	352,695

NOTE:--PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS REPORT.

SUMMARY OF FREEZINGS, BY SECTIONS, 1969

(THOUSANDS OF POUNDS)

SPECIES	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:					
BLOCKS	1,851	-	-	-	-
FILLETS AND STEAKS:					
COD	1,254	4	-	-	-
FLOUNDER	2,055	-	40	-	-
HADDOCK	3,382	-	-	-	-
OCEAN PERCH	14,355	-	31	-	-
POLLOCK	1,266	-	-	-	-
SALMON	1	-	-	-	-
WHITING	278	-	-	-	-
UNCLASSIFIED	408	-	837	-	-
TOTAL FILLETS AND STEAKS	22,999	4	908	-	-
TOTAL BLOCKS, FILLETS, AND STEAKS	24,850	4	908	-	-
ROUND, DRESSED, ETC.:					
MACKEREL (EXCEPT SPANISH)	1,331	142	-	-	-
SMELT	5	1	-	-	-
SWORDFISH	118	11	-	-	-
TUNA	137	7	-	-	-
WHITING, HEADED AND GUTTED	15,960	-	-	-	-
OTHER (EXCEPT BAIT)	33,785	1,043	18,068	1	-
TOTAL SALT-WATER FISH	76,186	1,208	18,976	1	-
FRESH-WATER:					
FILLETS AND STEAKS	-	-	-	20	-
ROUND, DRESSED, ETC.:					
CHUBS	-	-	-	17	-
TROUT	-	-	-	10	-
WHITEFISH	-	3	-	-	-
OTHER (EXCEPT BAIT)	-	93	150	15	15
TOTAL FRESH-WATER FISH	-	96	150	62	15
BAIT AND ANIMAL FOOD (SALT-AND FRESH-WATER)	20,130	448	1,345	6	-
SHELLFISH					
CRABS (INCLUDING CRAB MEAT)	9	1	126	-	-
SPINY LOBSTER (TAILS)	16	-	494	-	-
OYSTER MEATS	-	-	1,841	-	-
SCALLOP MEATS	220	45	823	-	-
SHRIMP:					
RAW (HEADLESS, SHELL-ON)	1,861	368	3,533	-	-
ALL OTHER (INCLUDING BREADED)	1,293	-	30,388	-	-
TOTAL SHRIMP	3,154	368	33,921	-	-
SQUID	268	471	53	-	-
OTHER	1,164	611	1,041	-	-
TOTAL SHELLFISH	4,831	1,496	38,299	-	-
TOTAL FISH AND SHELLFISH	101,147	3,248	58,770	69	15

NOTE:--PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS TABLE. THE SECTIONS INDICATED INCLUDE THE FOLLOWING STATES:

NEW ENGLAND--MAINE, MASSACHUSETTS, RHODE ISLAND, CONNECTICUT, AND NEW HAMPSHIRE.
MIDDLE ATLANTIC--NEW YORK, NEW JERSEY, AND PENNSYLVANIA.
SOUTH ATLANTIC--MARYLAND, DISTRICT OF COLUMBIA, VIRGINIA, NORTH CAROLINA, GEORGIA, AND FLORIDA.
NORTH CENTRAL, EAST--OHIO, INDIANA, ILLINOIS, MICHIGAN, AND WISCONSIN.
NORTH CENTRAL, WEST--MINNESOTA, IOWA, MISSOURI, KANSAS, NEBRASKA, AND NORTH DAKOTA.

(CONTINUED ON NEXT PAGE)

SUMMARY OF FREEZINGS, BY SECTIONS, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:				
BLOCKS	-	121	-	1,972
FILLETS AND STEAKS:				
COD	3	136	-	1,397
FLOUNDER	61	319	3	2,478
HADDOCK	-	-	-	3,382
HALIBUT	-	115	1,005	1,120
OCEAN PERCH	-	820	-	15,206
POLLOCK	-	-	-	1,266
SALMON	-	72	56	129
WHITING	-	-	-	278
UNCLASSIFIED	97	1,235	4	2,581
TOTAL FILLETS AND STEAKS	161	2,697	1,068	27,837
TOTAL BLOCKS, FILLETS, AND STEAKS	161	2,818	1,068	29,809
ROUND, DRESSED, ETC.:				
HALIBUT	-	4,151	14,556	18,711
MACKEREL (EXCEPT SPANISH)	3	477	-	1,953
SABLEFISH	-	359	451	810
SALMON:				
CHINOOK OR KING	-	1,940	5,100	7,040
SILVER OR COHO	-	1,943	1,884	3,827
CHUM OR KETA	-	932	1,165	2,097
OTHER	-	977	1,634	2,611
TOTAL SALMON	-	5,792	9,783	15,575
SMELT	4	107	-	117
SWORDFISH	-	102	-	231
TUNA	-	1,520	-	1,664
WHITING, HEADED AND GUTTED	-	-	-	15,960
OTHER (EXCEPT BAIT)	3,008	4,370	24	60,299
TOTAL SALT-WATER FISH	3,176	19,706	25,882	145,135
FRESH-WATER:				
FILLETS AND STEAKS	-	-	-	20
ROUND, DRESSED, ETC.:				
CHUBS	-	-	-	17
TROUT	7	808	-	825
WHITEFISH	-	-	-	3
OTHER (EXCEPT BAIT)	31	4	-	308
TOTAL FRESH-WATER FISH	38	812	-	1,173
BAIT AND ANIMAL FOOD (SALT-AND FRESH-WATER)	15,809	20,883	3,325	61,946
SHELLFISH				
CRABS (INCLUDING CRAB MEAT)	53	1,312	2,839	4,340
SPINY LOBSTER (TAILS)	-	3	-	513
OYSTER MEATS	145	85	186	2,257
SCALLOP MEATS	2	14	933	2,037
SHRIMP:				
RAW (HEADLESS, SHELL-ON)	38,547	169	641	45,119
ALL OTHER (INCLUDING BREADED)	50,963	243	-	82,887
TOTAL SHRIMP	89,510	412	641	128,006
SQUID	175	3,225	-	4,192
OTHER	5	275	-	3,096
TOTAL SHELLFISH	89,890	5,326	4,599	144,441
TOTAL FISH AND SHELLFISH	108,913	46,727	33,806	352,695

NOTE:--PRODUCTION OF FISH FROZEN ON UNITED STATES FISHING OR TRANSPORTING CRAFT IS NOT INCLUDED IN THIS TABLE.
THE SECTIONS INDICATED INCLUDE THE FOLLOWING STATES:
SOUTH CENTRAL--KENTUCKY, TENNESSEE, ALABAMA, MISSISSIPPI, LOUISIANA, AND TEXAS.
PACIFIC--WASHINGTON, OREGON, CALIFORNIA, UTAH, COLORADO, IDAHO, AND ARIZONA.
ALASKA.

SUMMARY OF FREEZINGS, BY SECTIONS AND MONTHS, 1969

(THOUSANDS OF POUNDS)

MONTH	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY	5,399	325	4,304	1	-
FEBRUARY	5,206	12	4,527	-	-
MARCH	5,658	24	5,303	-	-
APRIL	6,182	300	6,307	7	3
MAY	6,551	521	4,994	2	3
JUNE	9,450	320	4,012	2	-
JULY	15,016	43	4,197	3	2
AUGUST	12,893	665	4,539	10	-
SEPTEMBER	9,935	337	4,748	20	5
OCTOBER	10,019	436	5,097	2	-
NOVEMBER	6,800	248	5,209	21	-
DECEMBER	8,038	17	5,533	1	2
TOTAL	101,147	3,248	58,770	69	15

MONTH	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY	8,645	2,254	479	21,407
FEBRUARY	7,207	1,601	348	18,901
MARCH	7,485	1,571	713	20,754
APRIL	6,725	1,956	1,887	23,367
MAY	7,368	4,813	3,103	27,355
JUNE	6,804	5,180	5,461	31,229
JULY	9,755	6,701	6,736	42,453
AUGUST	9,782	7,181	5,836	40,906
SEPTEMBER	12,285	5,345	6,269	38,944
OCTOBER	12,337	4,795	1,618	34,304
NOVEMBER	11,362	2,870	638	27,148
DECEMBER	9,158	2,460	718	25,927
TOTAL	108,913	46,727	33,806	352,695

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGES 76 AND 77.

FROZEN FOODS

COLD STORAGE HOLDINGS OF FROZEN FISHERY PRODUCTS, 1969

Holdings of frozen fishery products were highest on December 31, when 274.8 million pounds were in storage. The November 30 holdings of 268.6 million pounds were second highest, followed by the September 30 holdings of 267.5 million pounds. Holdings were lowest on April 30, when they totaled only 187.7 million pounds.

SUMMARY OF HOLDINGS, BY MONTHS, 1969

(THOUSANDS OF POUNDS)

SPECIES	JANUARY 31	FEBRUARY 28	MARCH 31	APRIL 30	MAY 31	JUNE 30
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	37,322	32,755	27,208	26,894	27,585	32,272
FILLETS AND STEAKS:						
COD	8,023	8,914	7,338	8,805	10,041	11,808
FLOUNDER	6,686	6,014	4,867	2,778	2,557	2,940
HADDOCK	3,296	2,779	1,934	3,471	3,492	4,047
HALIBUT	3,101	2,480	1,895	1,383	1,679	1,765
OCEAN PERCH	15,336	12,286	8,630	6,084	4,772	4,880
POLLOCK	1,013	1,121	939	807	690	696
SALMON	405	578	686	493	599	939
WHITING	554	631	579	389	400	315
UNCLASSIFIED	6,779	6,538	4,621	5,093	4,879	5,577
TOTAL FILLETS AND STEAKS	45,193	41,341	31,489	29,303	29,109	32,967
TOTAL BLOCKS, FILLETS AND STEAKS	82,515	74,096	58,697	56,197	56,694	65,239
FISH STICKS AND PORTIONS (RAW AND COOKED)	19,181	19,187	17,983	15,952	18,656	19,955
ROUND, DRESSED, ETC.:						
HALIBUT	7,108	3,897	2,512	1,394	3,537	5,447
MACKEREL (EXCEPT SPANISH)	491	366	292	267	539	657
SABLEFISH	999	870	760	589	849	910
SALMON:						
CHINOOK OR KING	5,034	3,592	3,235	2,729	4,930	3,698
SILVER OR COHO	4,330	3,312	2,074	1,426	1,253	1,235
CHUM OR KETA	3,036	1,766	1,396	1,347	805	633
OTHER	2,444	1,352	1,089	1,276	478	941
TOTAL SALMON	14,844	10,022	7,794	6,778	7,466	6,507
SMELT	760	850	1,023	1,081	1,011	938
SWORDFISH	2,025	2,050	2,138	1,972	2,448	2,262
TUNA	573	238	212	156	149	152
WHITING, HEADED AND GUTTED	10,007	7,486	4,636	2,863	2,213	2,874
OTHER (EXCEPT BAIT)	11,204	10,443	8,730	10,670	9,146	9,465
TOTAL SALT-WATER FISH	149,707	129,505	104,777	97,919	102,708	114,406
FRESH-WATER:						
FILLETS AND STEAKS	1,337	925	728	796	823	857
ROUND, DRESSED, ETC.:						
CHUBS	846	655	456	867	445	334
TROUT	1,672	1,619	1,294	1,012	1,126	1,047
WHITEFISH	1,443	1,155	1,162	1,038	1,108	1,012
OTHER (EXCEPT BAIT)	2,018	2,554	1,981	1,867	1,967	1,874
TOTAL FRESH-WATER FISH	7,316	6,908	5,621	5,580	5,469	5,124
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	14,006	12,786	12,033	13,748	14,240	14,423
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	10,236	9,258	10,326	10,399	9,573	8,580
SPINY LOBSTER (TAILS)	4,404	4,576	5,598	6,892	7,135	7,967
OYSTER MEATS	1,599	1,184	948	1,119	1,272	1,265
SCALLOP MEATS	2,755	2,534	2,373	1,699	1,867	2,312
SHRIMP:						
RAW (HEADLESS, SHELL-ON)	36,481	32,878	32,833	31,212	28,596	28,845
ALL OTHER (INCLUDING BREADED)	17,451	17,053	16,214	16,758	16,790	15,346
TOTAL SHRIMP	53,932	49,931	49,047	47,970	45,366	44,191
SQUID	1,356	1,223	1,118	802	1,358	1,311
OTHER	2,352	1,572	1,713	1,573	1,509	1,794
TOTAL SHELLFISH	76,634	70,278	71,123	70,454	68,100	67,420
TOTAL FISH AND SHELLFISH	247,663	219,477	193,554	187,701	190,517	201,373
CURED FISH						
HERRING, SALTED	4,119	4,029	4,353	3,653	2,522	2,886
SALMON, MILD-CURED	1,564	1,387	1,979	912	929	885
OTHER SALTED	198	167	487	549	127	276
SMOKED FISH	433	375	316	328	319	293
TOTAL CURED FISH	6,314	5,958	7,135	5,442	3,897	4,340

(CONTINUED ON NEXT PAGE)

SUMMARY OF HOLDINGS, BY MONTHS, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	JULY 31	AUGUST 31	SEPTEMBER 30	OCTOBER 31	NOVEMBER 30	DECEMBER 31
FISH	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
SALT-WATER:						
BLOCKS	48,121	58,837	60,254	48,753	43,900	43,018
FILLETS AND STEAKS:						
COD	12,335	13,319	13,770	12,672	12,671	12,923
FLOUNDER	4,241	4,998	5,008	5,937	7,341	9,279
HADDOCK	4,518	5,721	5,916	6,108	5,895	7,064
HALIBUT	2,364	2,618	2,737	2,968	3,005	2,673
OCEAN PERCH	6,610	7,756	11,702	13,869	15,474	16,353
POLLOCK	710	678	934	1,050	1,242	1,463
SALMON	1,015	1,147	1,222	2,042	1,280	1,239
WHITING	752	846	911	1,125	1,113	1,251
UNCLASSIFIED	5,617	6,415	7,267	7,816	7,757	7,349
TOTAL FILLETS AND STEAKS	38,162	43,498	49,467	53,587	55,778	59,594
TOTAL BLOCKS, FILLETS AND STEAKS	86,283	102,335	109,721	102,340	99,678	102,612
FISH STICKS AND PORTIONS (RAW AND COOKED)	18,707	17,100	17,089	18,239	22,011	25,449
ROUND, DRESSED, ETC.:						
HALIBUT	8,089	11,693	14,469	14,678	13,380	11,171
MACKEREL (EXCEPT SPANISH)	849	954	968	1,021	971	1,019
SABLEFISH	499	434	495	721	609	552
SALMON:						
CHINOOK OR KING	4,289	5,171	5,996	5,238	5,761	4,267
SILVER OR COHO	1,888	3,113	3,181	2,982	2,078	1,854
CHUM OR KETA	795	769	1,278	1,601	1,298	1,456
OTHER	2,565	2,028	470	369	366	961
TOTAL SALMON	9,537	11,081	10,925	10,190	9,503	8,538
SMELT	931	929	699	709	669	565
SWORDFISH	2,272	2,108	2,335	2,462	2,531	2,278
TUNA	166	1,156	1,425	436	206	1,140
WHITING, HEADED AND GUTTED	5,815	6,294	4,645	3,684	2,561	1,990
OTHER (EXCEPT BAIT)	9,923	9,822	11,386	11,017	12,940	12,203
TOTAL SALT-WATER FISH	143,071	163,906	174,157	165,497	165,059	167,517
FRESH-WATER:						
FILLETS AND STEAKS	611	879	778	975	1,063	1,005
ROUND, DRESSED, ETC.:						
CHUBS	433	385	351	239	215	157
TROUT	1,010	1,019	918	931	727	688
WHITEFISH	583	682	741	685	755	558
OTHER (EXCEPT BAIT)	2,076	2,028	2,049	1,972	2,155	3,071
TOTAL FRESH-WATER FISH	4,713	4,993	4,837	4,802	4,915	5,479
BAIT AND ANIMAL FOOD (SALT- AND FRESH-WATER)	13,870	11,740	10,936	9,691	10,836	11,857
SHELLFISH						
CRABS (INCLUDING CRAB MEAT)	8,499	8,743	8,222	8,699	8,326	6,973
SPINY LOBSTER (TAILS)	8,532	8,740	8,380	8,038	7,859	7,544
OYSTER MEATS	1,161	990	986	738	920	1,205
SCALLOP MEATS	2,510	2,376	2,349	2,207	2,292	2,200
SHRIMP:						
RAW (HEADLESS, SHELL-ON)	28,612	30,548	33,713	38,008	41,350	44,105
ALL OTHER (INCLUDING BREADED)	15,475	16,635	19,963	21,553	22,909	24,502
TOTAL SHRIMP	44,087	47,183	53,676	59,561	64,259	68,607
SQUID	1,032	1,389	1,189	1,535	1,649	1,433
OTHER	2,233	2,518	2,778	2,294	2,517	1,970
TOTAL SHELLFISH	68,054	71,939	77,580	83,072	87,822	89,932
TOTAL FISH AND SHELLFISH	229,708	252,578	267,510	263,062	268,632	274,785
CURED FISH						
HERRING, SALTED	2,537	2,065	1,994	3,349	2,258	2,210
SALMON, MILD-CURED	1,262	936	1,864	1,710	1,635	1,430
OTHER SALTED	357	277	491	366	404	259
SMOKED FISH	355	312	370	349	307	280
TOTAL CURED FISH	4,511	3,590	4,719	5,774	4,604	4,179

SUMMARY OF HOLDINGS, BY SECTIONS AND MONTHS, 1969

(THOUSANDS OF POUNDS)

MONTH	NEW ENGLAND	MIDDLE ATLANTIC	SOUTH ATLANTIC	NORTH CENTRAL, EAST	NORTH CENTRAL, WEST
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 31.	92,444	32,220	17,560	15,550	5,765
FEBRUARY 28	83,067	30,694	14,961	14,906	5,223
MARCH 31.	66,632	31,284	14,333	13,212	5,019
APRIL 30.	62,002	31,714	15,604	12,095	4,708
MAY 31.	64,128	32,506	15,878	11,646	4,117
JUNE 30	71,180	31,148	15,306	12,736	4,042
JULY 31	93,570	31,342	14,227	13,880	4,109
AUGUST 31	102,574	34,031	16,155	13,205	4,399
SEPTEMBER 30.	106,901	37,087	17,469	13,010	3,954
OCTOBER 31.	97,469	35,398	19,555	12,805	4,035
NOVEMBER 30	99,291	41,551	18,166	14,444	3,370
DECEMBER 31	106,561	40,892	18,837	15,937	4,214

MONTH	SOUTH CENTRAL	PACIFIC	ALASKA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 31.	27,305	52,187	4,632	247,663
FEBRUARY 28	23,343	43,831	3,452	219,477
MARCH 31.	19,818	39,977	3,279	193,554
APRIL 30.	18,509	38,497	4,572	187,701
MAY 31.	17,904	39,006	5,332	190,517
JUNE 30	17,616	41,860	7,485	201,373
JULY 31	16,900	47,343	8,337	229,708
AUGUST 31	18,126	53,835	10,253	252,578
SEPTEMBER 30.	22,543	54,920	11,626	267,510
OCTOBER 31.	25,871	59,755	8,174	263,062
NOVEMBER 30	28,122	57,077	6,611	268,632
DECEMBER 31	27,330	55,654	5,360	274,785

NOTE:--THE STATES INCLUDED IN THE VARIOUS SECTIONS ARE INDICATED ON PAGES 76 AND 77.

COLD STORAGE HOLDINGS OF CURED FISH, 1969

Monthly average holdings of salted and smoked fish were 5.0 million pounds. Cured herring (3.0 million pounds) and mild-cured salmon (1.4 million pounds) accounted for 88 percent of the average cold storage inventories of cured fish.

SUMMARY OF HOLDINGS OF CURED FISH, BY MONTHS, 1969

(THOUSANDS OF POUNDS)

MONTH	SALTED			SMOKED	TOTAL
	HERRING	SALMON, MILD-CURED	OTHER		
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
JANUARY 31.	4,119	1,564	198	433	6,314
FEBRUARY 28	4,029	1,387	167	375	5,958
MARCH 31.	4,353	1,979	487	316	7,135
APRIL 30.	3,653	912	549	328	5,442
MAY 31.	2,522	929	127	319	3,897
JUNE 30	2,886	885	276	293	4,340
JULY 31	2,537	1,262	357	355	4,511
AUGUST 31	2,065	936	277	312	3,590
SEPTEMBER 30.	1,994	1,864	491	370	4,719
OCTOBER 31.	3,349	1,710	366	349	5,774
NOVEMBER 30	2,258	1,635	404	307	4,604
DECEMBER 31	2,210	1,430	259	280	4,179

FOREIGN FISHERY TRADE

U.S. foreign trade in fishery products was worth a record $948.8 million--an increase of $58.4 million compared with 1968, the former record year. Imports for consumption were worth $844.3 million--$21.6 million more than in the previous year. Exports valued at $104.5 million increased $36.8 million compared with 1968.

Imports of edible fishery products were 1.7 billion pounds worth $704.8 million--2 percent less in volume but 10 percent more in value than in 1968. The volume decline reflected a decrease in imports of fresh or frozen trout, whitefish, salmon (except fillets and steaks), and tuna loins and discs; canned salmon, sardines, crab meat, and shrimp; pickled or salted sea herring, mackerel, and salmon; and smoked or kippered products. However, the following items were imported in greater volume than in 1968: fresh or frozen albacore and skipjack tuna, halibut, mackerel, fillets and steaks (including groundfish and other than groundfish), crab meat, northern and spiny lobsters, and shrimp; canned clams, oysters and oyster juice, and albacore tuna in brine.

Shrimp, the major item imported with respect to value, accounted for 25 percent of the value of all imported edible items. Record imports of about 193.7 million pounds (including fresh or frozen, canned, and cured) worth $174.9 million were received from 69 countries. Mexico, India, and Panama were among the principal sources. Mexican shrimp accounted for 29 percent of the total imports of shrimp.

Imports of nonedible fishery products were valued at $139.5 million--$40 million less than in 1968. The principal loss was in imports of fish meal and scrap.

Exports of domestic edible fishery products were 140.6 million pounds worth $86.5 million--an increase of 55 percent in volume and 52 percent in value compared with 1968. The value of nonedible exports of domestic fishery products (18.1 million) was $7.1 million more than in the previous year.

Exports of foreign-produced fishery products were $16.8 million compared with $12.7 million in 1968. Exports of fresh or frozen shrimp products increased from $8.9 million in 1968 to $12.2 million in 1969 and accounted largely for the gain.

EXPORTS OF DOMESTIC FISHERY PRODUCTS, 1968-69

ITEM		1968		1969	
EDIBLE FISHERY PRODUCTS	UNIT	QUANTITY	1,000 DOLLARS	QUANTITY	1,000 DOLLARS
FRESH OR FROZEN:					
FISH:					
COD, HADDOCK, HAKE, POLLOCK, AND CUSK	1,000 POUNDS	519	150	612	208
SALMON	DO	16,234	10,076	30,553	19,060
OTHER	DO	12,279	3,039	22,255	5,166
SHELLFISH:					
SHRIMP	DO	12,147	11,280	25,219	22,146
OTHER	DO	9,144	4,994	10,749	5,679
TOTAL FRESH AND FROZEN	DO	50,323	29,539	89,388	52,259
CANNED:					
FISH:					
MACKEREL	DO	305	66	174	35
SALMON	DO	5,726	4,604	15,536	11,565
SARDINES	DO	3,033	1,314	2,095	901
OTHER	DO	4,926	4,571	5,105	4,649
SHELLFISH:					
SHRIMP	DO	4,467	4,758	5,682	5,753
SQUID	DO	11,955	1,418	12,216	1,500
OTHER	DO	3,064	2,204	3,641	2,737
TOTAL CANNED	DO	33,476	18,935	44,449	27,140
CURED, SALTED, PICKLED, OR DRY CURED:					
UNCLASSIFIED FISH	DO	6,708	8,094	6,768	7,027
UNCLASSIFIED SHELLFISH	DO	301	277	41	48
TOTAL CURED	DO	7,009	8,371	6,809	7,075
TOTAL EDIBLE FISHERY PRODUCTS	DO	90,808	56,845	140,646	86,474
NONEDIBLE FISHERY PRODUCTS					
FISH AND MARINE ANIMAL BODY AND LIVER OIL (EXCEPT MEDICINAL)	DO	65,129	2,700	196,073	11,048
WHALE AND SPERM OIL	DO	4,071	323	3,299	465
SEAL FURS, DRESSED OR DYED	1,000 PIECES	86	5,901	75	3,926
SHELLS, UNMANUFACTURED	1,000 POUNDS	25,056	1,627	24,991	2,255
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS, NONEDIBLE	-	-	361	-	365
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	10,912	-	18,059
GRAND TOTAL	-	-	67,757	-	104,533

NOTE:--IN ADDITION TO THE EXPORT FIGURES THAT ARE SHOWN THERE ARE QUANTITIES OF FISH OILS AND CONCENTRATES THAT ARE EXPORTED FOR MEDICINAL PURPOSES, AND OTHER MISCELLANEOUS FISHERY PRODUCTS THAT CANNOT BE SHOWN BECAUSE THE EXPORT CLASSIFICATION COVERING THESE PRODUCTS INCLUDES OTHER THAN FISHERY PRODUCTS.

EXPORTS OF FOREIGN FISHERY PRODUCTS, 1968-69

ITEM		1968		1969	
EDIBLE FISHERY PRODUCTS	UNIT	QUANTITY	1,000 DOLLARS	QUANTITY	1,000 DOLLARS
FRESH OR FROZEN:					
FISH:					
COD, HADDOCK, HAKE, POLLOCK, AND CUSK . . .	1,000 POUNDS	363	132	388	132
SALMON.	DO	130	91	105	81
OTHER	DO	658	212	1,781	405
SHELLFISH:					
SHRIMP.	DO	8,314	8,915	10,513	12,184
OTHER	DO	594	789	471	468
TOTAL FRESH AND FROZEN.	DO	10,059	10,139	13,258	13,270
CANNED:					
FISH:					
SARDINES.	DO	11	3	84	20
OTHER	DO	140	160	123	170
SHELLFISH:					
SHRIMP.	DO	20	17	39	47
SQUID	DO	96	14	-	-
OTHER	DO	2,293	2,110	3,077	2,935
TOTAL CANNED.	DO	2,560	2,304	3,323	3,172
CURED, SALTED, PICKLED, OR DRY CURED:					
UNCLASSIFIED FISH	DO	121	44	148	85
UNCLASSIFIED SHELLFISH.	DO	3	4	2	1
TOTAL CURED	DO	124	48	150	86
TOTAL EDIBLE FISHERY PRODUCTS	DO	12,743	12,491	16,731	16,528
NONEDIBLE FISHERY PRODUCTS					
FISH AND MARINE ANIMAL BODY AND LIVER OIL (EXCEPT MEDICINAL)	DO	15	3	12	3
WHALE AND SPERM OIL	DO	2,300	72	224	65
SEAL FURS, DRESSED OR DYED.	1,000 PIECES	4	79	8	152
SHELLS, UNMANUFACTURED.	1,000 POUNDS	134	23	50	28
FISH, SHELLFISH, AND OTHER MARINE ANIMAL PRODUCTS, NONEDIBLE.	-	-	44	-	42
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	221	-	290
GRAND TOTAL.	-	-	12,712	-	16,818

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1968-69

ITEM		1968		1969	
EDIBLE FISHERY PRODUCTS	UNIT	QUANTITY	1,000 DOLLARS	QUANTITY	1,000 DOLLARS
FRESH OR FROZEN:					
FISH:					
WHETHER OR NOT WHOLE (EXCEPT FILLETS, STEAKS, ETC.):					
FRESH-WATER:					
LAKE HERRING, CISCOES, AND CHUBS	1,000 POUNDS	393	60	(1)	(1)
LAKE TROUT	DO	1,477	648	1,076	581
PIKE, EXCEPT YELLOW PIKE	DO	1,640	469	(2)	(2)
OTHER TROUT	DO	4,332	1,946	2,245	1,017
WHITEFISH	DO	10,335	4,794	8,963	4,701
YELLOW PIKE	DO	3,422	1,633	2/5,486	2/2,832
UNCLASSIFIED	DO	5,557	1,244	1/6,654	1/1,354
TOTAL FRESH-WATER FISH	DO	27,156	10,794	24,424	10,485
SALT-WATER:					
COD, HADDOCK, HAKE, POLLOCK, AND CUSK (INCLUDES EELS, SHAD, AND STURGEON)	DO	4,708	646	3/5,433	3/1,253
HALIBUT	DO	18,082	5,627	20,093	8,563
MACKEREL:					
FRESH	DO	880	123	896	102
FROZEN	DO	972	121	1,550	193
SALMON	DO	9,811	7,062	8,425	6,892
SEA HERRING	DO	200,988	3,085	4/119,550	4/1,853
SMELT	DO	9,096	1,567	8,585	1,509
STURGEON	DO	1,186	473	(3)	(3)
SWORDFISH:					
FRESH	DO	7,141	4,598	6,877	4,776
FROZEN	DO	157	80	530	222
TUNA (WHOLE AND OTHER THAN WHOLE): 5/					
ALBACORE	DO	174,363	36,151	198,387	42,587
YELLOWFIN	DO	148,337	26,732	117,033	20,891
SKIPJACK	DO	53,616	5,822	63,538	7,462
UNCLASSIFIED	DO	8,511	887	14,346	1,487
TOTAL TUNA	DO	384,827	69,592	393,304	72,427
TUNA LOINS AND DISCS:					
ALBACORE	DO	3,386	1,660	1,189	639
YELLOWFIN	DO	3,802	1,584	(6)	(6)
UNCLASSIFIED	DO	167	56	6/984	6/431
TOTAL LOINS AND DISCS	DO	7,355	3,300	2,173	1,070
UNCLASSIFIED	DO	14,725	3,977	17,986	4,286
TOTAL SALT-WATER FISH	DO	659,928	100,251	585,402	103,146
FILLETS, STEAKS, ETC.:					
GROUNDFISH AND OCEAN PERCH:					
COD	DO	46,646	13,413	61,880	18,479
HADDOCK, HAKE, POLLOCK AND CUSK	DO	32,069	10,324	33,875	12,870
OCEAN PERCH (ATLANTIC)	DO	50,435	11,819	64,225	16,418
BLOCKS OR SLABS	DO	261,086	56,819	266,748	60,081
TOTAL GROUNDFISH AND OCEAN PERCH	DO	390,236	92,375	426,728	107,848
OTHER:					
FLOUNDER OR FLATFISH (EXCEPT HALIBUT)	DO	39,542	13,221	48,140	19,837
HALIBUT	DO	10,940	4,401	8,448	4,593
SWORDFISH	DO	17,628	9,062	15,828	7,889
WOLFFISH (SEA CATFISH)	DO	7,168	2,457	6,904	2,331
UNCLASSIFIED SALT-WATER	DO	15,082	5,748	21,676	8,647
YELLOW PERCH	DO	9,089	4,173	7/14,178	7/8,064
YELLOW PIKE	DO	5,533	3,634	(7)	(7)
UNCLASSIFIED FRESH-WATER	DO	4,181	1,364	5,260	1,926
TOTAL, OTHER THAN GROUNDFISH	DO	109,163	44,060	120,434	53,289
TOTAL FILLETS, STEAKS, ETC.	DO	499,399	136,435	547,162	161,137
FISH STICKS AND SIMILAR PRODUCTS	DO	878	334	1,573	687
TOTAL FISH, FRESH AND FROZEN	DO	1,187,361	247,814	1,158,561	275,455

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1968-69 - Continued

ITEM		1968		1969	
EDIBLE FISHERY PRODUCTS - CONTINUED	UNIT	QUANTITY	1,000 DOLLARS	QUANTITY	1,000 DOLLARS
FRESH OR FROZEN: - CONTINUED:					
SHELLFISH, ETC.:					
CRABS:					
FRESH OR FROZEN (INCLUDING PREPARED OR PRESERVED, EXCEPT CANNED).	1,000 POUNDS	1,284	734	739	338
CRAB MEAT (FRESH COOKED).	DO	1,484	2,086	2,446	3,169
LOBSTERS:					
COMMON (INCLUDES FRESH-COOKED MEAT) . . .	DO	16,753	16,388	17,447	18,381
SPINY	DO	43,062	82,648	44,992	94,327
SHRIMP: 8/					
BREADED	DO	1,567	1,721	1,259	1,466
SHELL-ON.	DO	128,042	112,480	121,293	116,324
PEELED, RAW	DO	47,451	37,487	63 792	51,267
PEELED, COOKED, BUT NOT BREADED	DO	1,459	1,011	3,814	3,057
UNCLASSIFIED.	DO	6,279	5,529	-	-
TOTAL SHRIMP.	DO	184,798	158,228	190,158	172,114
CLAMS (IN SHELL OR SHUCKED)	DO	749	271	1,087	494
OYSTERS:					
EXCEPT SEED OYSTERS	DO	2,754	888	1,429	946
UNCLASSIFIED (PRINCIPALLY SEED OYSTER). .	DO	2,102	625	1,350	550
SCALLOPS.	DO	14,581	15,709	14,322	14,654
FROG LEGS (INCLUDES PREPARED AND PRESERVED)	DO	3,198	2,225	3,880	3,135
TURTLES (LIVE ONLY)	DO	444	324	213	236
TOTAL SHELLFISH, ETC., FRESH AND FROZEN .	DO	271,209	280,126	278,063	308,344
TOTAL FRESH AND FROZEN FISH, SHELLFISH, ETC.	DO	1,458,570	527,940	1,436,624	583,799
CANNED:					
FISH:					
ANCHOVIES:					
IN OIL.	DO	4,912	4,350	4,673	4,978
NOT IN OIL.	DO	1,124	470	771	348
SALMON:					
IN OIL.	DO	22	32	18	34
NOT IN OIL.	DO	4,933	2,788	2,199	1,342
SARDINES:					
IN OIL.	DO	28,436	13,178	27,220	12,441
NOT IN OIL.	DO	30,431	5,609	18,147	3,820
HERRING:					
IN OIL.	DO	152	54	156	54
NOT IN OIL.	DO	10,833	3,600	10,981	4,156
TUNA:					
IN OIL, ALBACORE.	DO	150	104	158	125
IN BRINE:					
ALBACORE.	DO	41,861	21,561	51,071	27,777
OTHER	DO	25,162	10,016	21,887	9,165
TOTAL IN BRINE.	DO	67,023	31,577	72,958	36,942
BONITO AND YELLOWTAIL:					
IN OIL.	DO	547	218	354	187
IN BRINE.	DO	346	103	364	115
TOTAL BONITO AND YELLOWTAIL	DO	893	321	718	302
POLLOCK, SMOKED	DO	8	7	15	10
ANTIPASTO, IN OIL	DO	268	207	237	172
FISH CAKES, BALLS AND PUDDING	DO	1,169	323	1,313	414
CAVIAR AND OTHER FISH ROE (MAY INCLUDE SOME NOT CANNED)	DO	373	1,582	492	1,744
FISH PASTE AND SAUCE.	DO	289	142	399	163
UNCLASSIFIED FISH:					
IN OIL.	DO	742	405	757	429
NOT IN OIL.	DO	18,132	2,741	17,494	2,476
TOTAL CANNED FISH	DO	169,890	67,490	158,706	69,950

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1968-69 - Continued

ITEM		1968		1969	
EDIBLE FISHERY PRODUCTS - CONTINUED	UNIT	QUANTITY	1,000 DOLLARS	QUANTITY	1,000 DOLLARS
CANNED - CONTINUED:					
SHELLFISH, ETC.:					
ABALONE (MAY INCLUDE FRESH OR FRIED, AND CANNED PASTE AND SAUCE)	1,000 POUNDS	5,417	4,221	5,073	4,678
CLAMS:					
RAZOR	DO	(9)	(9)	5	4
OTHER	DO	1,850	1,107	2,618	1,620
CHOWDER, JUICE, ETC.	DO	37	4	123	24
CRAB MEAT (INCLUDES PASTE AND SAUCE)	DO	4,720	5,373	3,436	6,196
LOBSTER MEAT:					
COMMON (CANADA ONLY)	DO	2,451	6,280	2,470	7,620
SPINY (OTHER THAN CANADA)	DO	213	307	301	521
SHRIMP	DO	4,307	3,657	3,583	2,772
OYSTERS AND OYSTER JUICE	DO	14,499	5,640	16,720	6,373
UNCLASSIFIED (INCLUDES SHELLFISH PASTE AND SAUCE)	DO	6,877	2,855	9,465	4,302
TOTAL CANNED SHELLFISH	DO	40,371	29,444	43,794	34,110
TOTAL CANNED FISH, SHELLFISH, ETC.	DO	210,261	96,934	202,500	104,060
CURED:					
DRIED SHRIMP	DO	350	282	(10)	(10)
DRIED (UNSALTED):					
COD, HADDOCK, HAKE, POLLOCK AND CUSK	DO	1,142	651	780	453
SHARK FINS	DO	135	157	132	140
UNCLASSIFIED	DO	140	132	162	155
TOTAL DRIED (UNSALTED)	DO	1,767	1,222	1,074	748
PICKLED OR SALTED:					
ALEWIVES	DO	2	(9)	4	2
COD, HADDOCK, HAKE, POLLOCK AND CUSK:					
SKINNED OR BONED	DO	8,582	3,263	9,190	3,531
OTHER	DO	30,626	7,724	28,802	7,006
HERRING	DO	21,085	3,068	19,312	2,897
MACKEREL	DO	1,585	301	1,408	256
SALMON	DO	114	114	94	97
UNCLASSIFIED	DO	300	265	355	320
TOTAL PICKLED OR SALTED	DO	62,294	14,735	59,165	14,109
SMOKED OR KIPPERED:					
COD, HADDOCK, HAKE, POLLOCK AND CUSK:					
WHOLE, BEHEADED, OR EVISCERATED OR BOTH	DO	216	66	161	57
FILLETS, STEAKS, ETC.	DO	1,994	645	1,314	437
HERRING:					
WHOLE OR BEHEADED:					
HARD DRY SMOKED	DO	33	6	19	3
OTHER	DO	685	116	553	121
BONED AND NOT BONED (EVISCERATED, SPLIT)	DO	1,181	324	926	253
SALMON	DO	40	73	44	78
UNCLASSIFIED	DO	157	59	112	35
TOTAL SMOKED OR KIPPERED	DO	4,306	1,289	3,129	984
TOTAL CURED	DO	68,367	17,246	63,368	15,841
OTHER FISH AND SHELLFISH, NOT ESPECIALLY PROVIDED FOR	DO	4,167	1,045	4,079	1,109
TOTAL EDIBLE FISHERY PRODUCTS	DO	1,741,365	643,165	1,706,571	704,809
NONEDIBLE FISHERY PRODUCTS					
OILS, FISH AND MARINE ANIMAL:					
COD:					
INDUSTRIAL	1,000 GALLONS	678	340	486	226
MEDICINAL (LIVER)	DO	458	415	445	391
HERRING	DO	30	17	7	4
SOD	DO	41	14	33	14

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

IMPORTS OF FISHERY PRODUCTS ENTERED FOR CONSUMPTION, 1968-69 - Continued

ITEM	UNIT	1968 QUANTITY	1968 1,000 DOLLARS	1969 QUANTITY	1969 1,000 DOLLARS
NONEDIBLE FISHERY PRODUCTS - CONTINUED					
OILS, FISH AND MARINE ANIMAL - CONTINUED:					
WHALE:					
SPERM:					
REFINED	1,000 GALLONS	1,094	655	841	502
CRUDE	DO	6,331	2,889	5,098	2,648
OTHER	DO	(9)	2	(9)	3
UNCLASSIFIED:					
BODY	DO	10	27	17	18
LIVER	DO	17	126	22	158
TOTAL FISH AND MARINE ANIMAL OIL	DO	8,659	4,485	6,949	3,964
MEAL AND SCRAP, ANIMAL FEED	1,000 TONS	855	82,517	358	41,297
FISH SOLUBLES	DO	2	176	(9)	46
FISH SOUNDS	1,000 POUNDS	30	87	18	71
GLUE	DO	1,085	282	962	272
ISINGLASS	DO	16	23	15	24
PEARL ESSENCE	DO	44	449	34	391
AQUARIUM FISH (INCLUDING GOLDFISH)	-	-	2,169	-	2,740
FISH (OTHER THAN FOR HUMAN CONSUMPTION)	-	-	10,718	-	12,367
CUTTLEFISH BONE	1,000 POUNDS	219	78	201	70
SHELLS AND BUTTONS:					
MARINE SHELLS, CRUDE (UNMANUFACTURED)	DO	3,150	444	2,530	407
SHELL AND MOTHER-OF-PEARL, ORNAMENTED	-	-	1,034	-	1,114
OCEAN AND FRESH-WATER PEARL AND SHELL BUTTONS AND BLANKS	-	-	608	-	519
PEARLS:					
CULTURED	-	-	12,865	-	12,232
NATURAL	-	-	525	-	475
TOTAL PEARLS	-	-	13,390	-	12,707
AMBERGRIS	-	-	59	-	41
SPERMACETI WAX	1,000 POUNDS	260	57	169	37
AQUATIC LEATHERS (INCLUDING SEALSKINS, REPTILIAN AND OTHER AQUATIC LEATHER PRODUCTS)	-	-	24,698	-	19,861
MOSS AND SEAWEEDS	1,000 POUNDS	20,490	3,619	17,017	3,468
AGAR-AGAR	DO	941	2,060	849	1,483
SODIUM ALGINATE	DO	725	524	825	594
SPONGES:					
SHEEPSWOOL	DO	5	15	10	27
YELLOW, GRASS OR VELVET	DO	10	25	12	20
HARDHEAD, REEF AND OTHER	DO	85	875	76	930
TOTAL SPONGES	DO	100	915	98	977
CORAL, UNCUT, UNMANUFACTURED	DO	360	63	445	62
OTHER FISH, SHELLFISH AND MARINE ANIMAL PRODUCTS:					
CHEMICALS AND RELATED PRODUCTS	-	-	20,255	-	22,916
NONMETALIC MINERALS AND PRODUCTS	-	-	3,956	-	6,736
MISCELLANEOUS ITEMS	-	-	6,838	-	7,320
TOTAL NONEDIBLE FISHERY PRODUCTS	-	-	179,504	-	139,484
GRAND TOTAL	-	-	822,669	-	844,293

1/ BECAUSE OF REVISIONS IN COMMODITY DESCRIPTIONS EFFECTIVE ON JANUARY 1, 1969, DATA FOR LAKE HERRING, CISCOES, AND CHUBS ARE INCLUDED WITH "UNCLASSIFIED FRESH-WATER FISH".

2/ BECAUSE OF REVISIONS IN COMMODITY DESCRIPTIONS EFFECTIVE ON JANUARY 1, 1969, DATA FOR "PIKE, EXCEPT YELLOW PIKE" ARE INCLUDED WITH "YELLOW PIKE".

3/ BECAUSE OF REVISIONS IN COMMODITY DESCRIPTIONS EFFECTIVE ON JANUARY 1, 1969, DATA FOR "STURGEON" ARE INCLUDED WITH "COD, HADDOCK, HAKE, POLLOCK, AND CUSK".

4/ INCLUDES BUREAU OF CUSTOMS DATA ON IMPORTS OF FRESH SEA HERRING INTO MAINE THAT AMOUNTED TO 94,547,000 POUNDS. BUREAU OF CENSUS DATA, WHICH DID NOT INCLUDE MOST ENTRIES VALUED AT LESS THAN $250 AMOUNT TO 103,830,392 POUNDS, VALUED AT $1,613,890.

5/ INCLUDES LANDINGS OF FOREIGN-CAUGHT TUNA IN AMERICAN SAMOA. SUCH LANDINGS ARE NOT INCLUDED IN THE BUREAU OF THE CENSUS DATA BECAUSE OF THE TERRITORIAL SITUATION OF THE POSSESSION.

6/ BECAUSE OF REVISIONS IN COMMODITY DESCRIPTIONS EFFECTIVE ON JANUARY 1, 1969, DATA FOR "YELLOWFIN TUNA LOINS AND DISCS" ARE INCLUDED WITH "UNCLASSIFIED TUNA LOINS AND DISCS".

7/ BECAUSE OF REVISIONS IN COMMODITY DESCRIPTIONS EFFECTIVE ON JANUARY 1, 1969, DATA FOR "YELLOW PIKE" ARE INCLUDED WITH "YELLOW PERCH".

8/ SHRIMP COMMODITY DESCRIPTIONS WERE REVISED EFFECTIVE ON JANUARY 1, 1969, TO INSURE PROPER CLASSIFICATION OF ALL ENTREES. THE 1968 UNCLASSIFIED FIGURE OF 6,279,000 POUNDS INCLUDES UNKNOWN QUANTITIES OF HEADLESS AND RAW PEELED SHRIMP.

9/ LESS THAN 1,000 UNITS OR $1,000.

10/ BECAUSE OF REVISIONS IN COMMODITY DESCRIPTIONS EFFECTIVE ON JANUARY 1, 1969, DATA FOR "DRIED SHRIMP" ARE INCLUDED WITH "FRESH AND FROZEN SHRIMP".

SECTION 2 - NEW ENGLAND FISHERIES

The commercial fisheries of the New England States (Maine, New Hampshire, Massachusetts, Rhode Island, and Connecticut) produced 568.3 million pounds of fish and shellfish worth $80.6 million--a decline of 66.5 million pounds (10 percent) but a gain of $4.9 million (6 percent) compared with 1968. Landings of cod, blackback and yellowtail flounders, mackerel, pollock, and shrimp increased; landings of haddock, scup, sea herring, ocean perch, whiting, and sea scallop meats declined compared with the previous year. Fishermen received higher prices for most major species--the average price per pound for yellowtail flounders, haddock, whiting, and lobsters increased sharply. In 1969, the average price for all fish and shellfish was 14.2 cents per pound--compared with 11.9 cents in 1968.

Landings in Maine and Massachusetts declined but those in New Hampshire, Rhode Island, and Connecticut increased compared with 1968. The value of the catch was greater in all States. Massachusetts led in volume with 281.7 million pounds--50 percent of the New England total. Maine was second with 191.3 million pounds (34 percent), and Rhode Island was third with 88.5 million (15 percent). Connecticut (5.5 million pounds) and New Hampshire (1.3 million) supplied the remaining 1 percent.

Fishermen and vessels. The New England fisheries had 19,949 fishermen using 695 vessels (5 net tons or more) and 10,800 other craft--an increase of 1,769 fishermen and 1,074 other craft compared with 1968. The number of vessels remained the same as in the previous year.

The Nation's first factory stern trawler, Seafreeze Altantic, made its first landings at Gloucester, Mass., in May. Most of the catch was frozen cod blocks processed from fish taken from waters as far north as Labrador. A sister ship, the Seafreeze Pacific, made small landings at Gloucester before leaving for the Pacific Northwest.

Vessel construction. Eleven new vessels joined the New England fleet--one more than in 1968. Six joined the Maine fleet, three went to Massachusetts, and two went to the Rhode Island fleet. During the year many changes occurred in the home ports and ownership of vessels--primarily because of changes within the individual fisheries.

Labor. In Boston, most of the fish-processing plants were idled, sometimes for as much as 45 days, because of a dispute over a labor-management contract. The disagreement ended with a 3-year contract that granted wage increases totaling $1 per hour for the duration of the contract, together with certain fringe benefits. In New Bedford, Mass., the seafood workers' union and fishery plant operators reached a 2-year agreement that included pay increases and improved holiday and vacation time. No work time was lost during contract negotiations. Members of the stevedores' union, however, stopped work for a week pending a final contract. The final agreement contained an $8 per day increase plus certain fringe benefits. In Rockland, Maine, shore workers and fishermen at the largest fishery plant changed affiliation from a small local union to a large one. In a 2-year contract, shore workers received pay increases of 10 cents an hour for each year, and a 3-week vacation after 10 years of employment. Gloucester, Mass., plants, operating under 3-year contracts, had no idleness or disputes.

Groundfish. Landings of six groundfish species (cod, cusk, haddock, white hake, ocean perch, and pollock) were 171.7 million pounds worth $15.6 million--a decline of 10 percent in volume but less than 1 percent in value compared with 1968. Imports of groundfish fillets (including blocks) were a record 426.7 million pounds--36.5 million (9 percent) greater than in 1968, the former record year. The available supply (U.S. production plus imports) of groundfish fillets and blocks in the United States was a record 474.0 million pounds--28.4 million more than in the previous year. U.S. production of 47.3 million pounds was only 10 percent of the total amount available for consumption. In 1949, U.S. production was 75 percent of the total.

Cod. Cod landings were 56.9 million pounds worth $4.8 million--a gain of 8.3 million pounds and $1.4 million compared with 1968. For the first time in more than 60 years cod landings exceeded haddock landings. Processors found that small cod could be used as an acceptable substitute for haddock. Small amounts of cod were also processed into frozen blocks.

NEW ENGLAND FISHERIES

Haddock. The crisis that began in 1965 when haddock stocks were overfished became more acute in 1969. Landings of 45.8 million pounds were 24.8 million less than in 1968 and the smallest catch since the turn of the century. Since 1963, when the year-class was one of the largest on record, haddock have not had a successful year-class, and the fishery has become smaller each year. Large haddock was 70 percent of the landings in 1969--compared with 55 percent in 1968.

The International Commission for the Northwest Atlantic Fisheries, in an effort to conserve the critically small stocks of haddock, adopted an annual quota of 12,000 metric tons for Georges Bank and 18,000 metric tons for Browns Bank. The quota applied to all member nations and became effective January 7, 1970. The Commission recommended further that portions of these two areas should be closed to most fishing gears during March and April, that all vessels fishing the areas should be licensed, and that all landings should be recorded.

Ocean Perch. The landings of 55.8 million pounds were 5.5 million less than in 1968--continuing the downward trend that began in 1961. The value ($2.4 million) was about the same as in 1968 and reflected the better market that prevailed in 1969 for most species of fish and shellfish. Maine ports, primarily Rockland, dominated the ocean perch fishery with 91 percent of the landings. Imports of ocean perch fillets were a record 64.2 million pounds--27 percent more than in 1968. Domestic production of ocean perch fillets (14.6 million pounds) declined for the 9th consecutive year and was far less than the record 75.0 million pounds processed in 1951.

Pollock. Landings of 9.1 million pounds worth $513,000 increased 29 percent in volume and 28 percent in value compared with 1968. The greater harvest resulted largely from BCF efforts to assist the depressed fishery for New England haddock by developing the pollock fishery and enlarging the market for pollock. To do this the BCF research vessel, Delaware II, made exploratory cruises testing new gear and fishing areas; other vessels were chartered to test commercially the exploratory findings; a direct financial assistance program was set up, in cooperation with the State of Massachusetts, to aid commercial vessels fishing for pollock; and a marketing program was developed. As a result of the latter, the market for pollock (particularly fresh fillets) was expanded to new areas of the U.S.

Yellowtail flounders. Landings of 64.8 million pounds were about the same as in 1968, but the value, $8.6 million, increased 30 percent. The average price per pound was 13 cents--compared with 10 cents in 1968. A factor contributing to the stable catch and higher price was an agreement between the fishermen of New Bedford, Mass., to restrict their catches to 6,000 pounds per man per trip. Adopted ostensibly as a conservation measure, the restriction also served to increase prices. Massachusetts accounted for 87 percent of the landings, and Rhode Island for most of the remainder. Newport, R.I., gained some importance as a yellowtail flounder port when vessels that formerly discharged at New Bedford made landings there. New Bedford remained the Nation's leading port for yellowtail flounder.

Sea herring. Landings of 68.6 million pounds declined 23.3 million (25 percent) compared with 1968. The Maine catch (54.2 million pounds) was 79 percent of the total, and the smallest catch in that State since 1940. The pack of Maine sardines was 1,042,800 standard cases worth $11.5 million--a decline of 687,500 cases and $7.8 million compared with 1968. Only 21 canneries packed sardines in 1969--one less than in 1968. The inventory on hand from the previous year was substantial.

Imports of sea herring from Canada into Maine ports were 94.5 million pounds--compared with 165.8 million in 1968. In 1969, as in the previous 2 years, large Canadian and Icelandic purse seiners caught sea herring outside the 12-mile limit and pumped the catches aboard United States carrier vessels for delivery to domestic fish meal plants in Gloucester. This catch of about 19.2 million pounds was somewhat less than in 1968.

NEW ENGLAND FISHERIES

Whiting. Landings were 39.3 million pounds worth $2.2 million--a decline of 45 percent in volume and 8 percent in value compared with 1968. The catch was the smallest since 1939. Even in Maine waters where, in 1968, fishermen took the near-record harvest of 28.9 million pounds, the catch was only 17.9 million pounds. At least part of the decline in the whiting fishery resulted from overfishing by foreign vessels.

Unclassified industrial fish. Landings of unclassified industrial fish used for bait and for processing into fish meal and oil were 72.8 million pounds--a decline of 8.2 million compared with 1968. Landings at Point Judith, R.I., (51.3 million pounds) accounted for about 70 percent of the catch. In Massachusetts, landings of 19.6 million pounds were little more than one-half the 1968 production. A decline in fishing effort was the principal reason for the smaller catch as fishermen gave preference to the foodfish that brought higher prices.

Lobsters. The catch was a record 30.7 million pounds worth a record $26.2 million--an increase of 2 percent in volume and 13 percent in value compared with 1968. Landings by pot fishermen (25.7 million pounds) declined 2 percent, but landings by otter trawlers (5.0 million pounds) increased 29 percent compared with 1968. The gain was principally in Rhode Island where the otter trawl catch increased about 1 million pounds. Offshore pot fishing along the Continental Shelf began in 1969. The catch did not add significantly to the total harvest, but the fishery showed promise for the future.

Maine led in lobster landings with 19.8 million pounds, followed by Massachusetts with 5.0 million; Rhode Island, 4.2 million; and Connecticut and New Hampshire with slightly less than 1.0 million pounds each.

Shrimp. Landings were a record 28.3 million pounds worth a record $3.5 million--an increase of 13.7 million pounds and $1.9 million compared with 1968. Maine landings (24.2 million pounds) were 86 percent of the harvest; the Maine value ($3.0 million) was 88 percent of the total. For the first time in the rapidly developing New England shrimp fishery, Massachusetts had significant landings--3.9 million pounds. Most of the shrimp was landed at Gloucester. A small fishery in New Hampshire took 128,000 pounds.

In the early years of the New England shrimp fishery, most catches were from inshore waters. In 1969, large shrimpers from Maine and Massachusetts entered the fishery and made catches beyond the 12-mile limit. European markets continued to take most of the landings, both cooked whole and peeled and cooked meats.

Sea scallops. The catch of 5.1 million pounds of sea scallop meats worth $5.6 million was 2.8 million pounds and $3.2 million less than in 1968. The catch was the smallest since 1945. The Middle Atlantic grounds that had supplied most of the catch since 1965 were depleted, and the fleet returned to Georges Bank and the Channel areas in search of scallops. At New Bedford, Mass., where 95 percent of the sea scallop meats were landed, the fleet declined steadily. The short supply of sea scallops has resulted in fishermen keeping the small scallops that in past years would have been returned to the sea to grow for another season.

International. The BCF research vessel, Albatross IV, joined vessels of the Soviet Union in several fishery research cruises in north and middle Atlantic waters. In the spring, the vessels made one cruise to sample and compare plankton; in the fall, they made two cruises--one to investigate herring spawning grounds and the other to survey groundfish species.

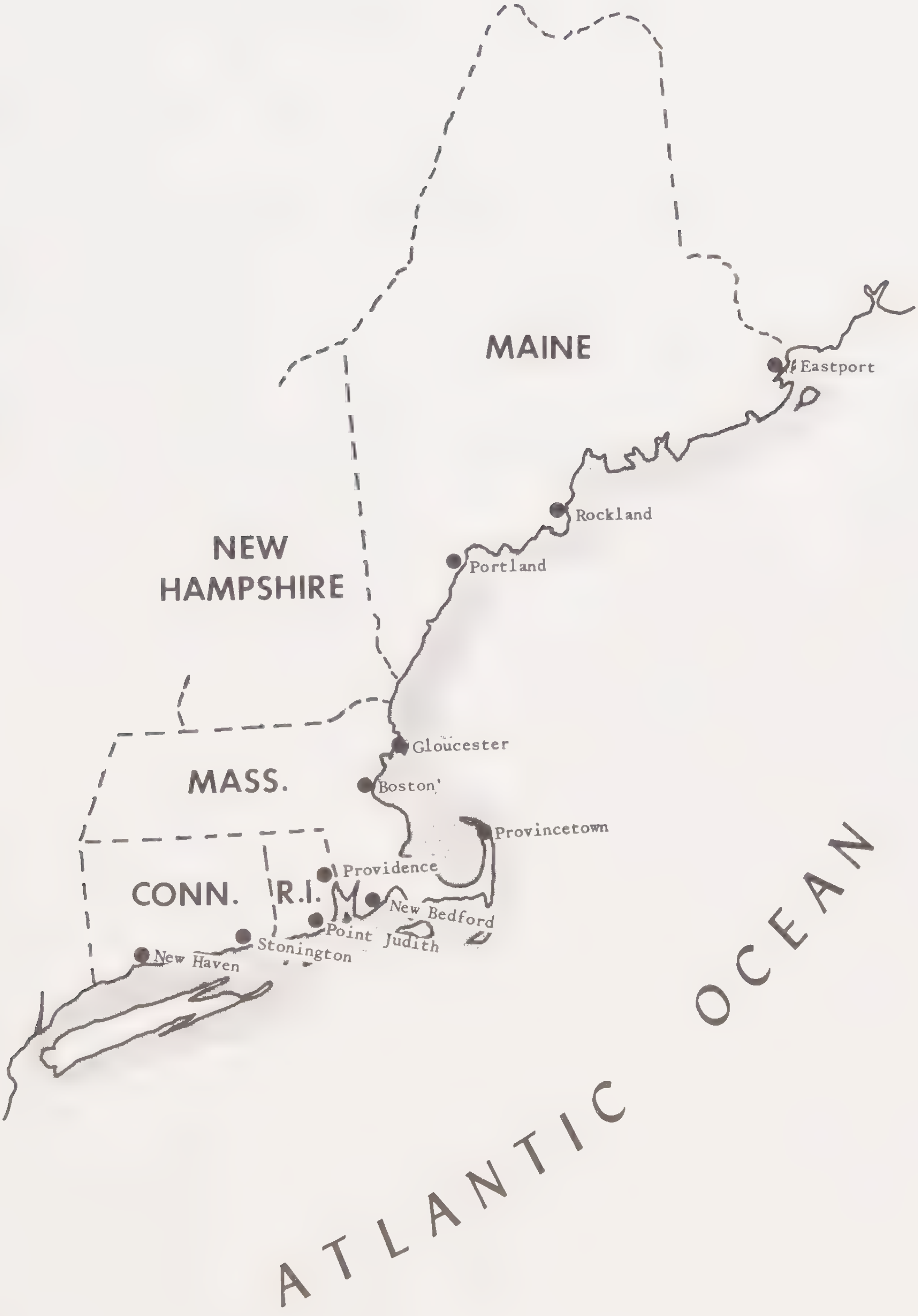
In June, the United States and Poland signed a 1-year agreement providing for a cooperative research program to promote conservation of fishery resources off the middle Atlantic coast of the United States--particularly such species as red hake, scup, and whiting from which United States fishermen derive their livelihood. The agreement was intended to overcome any exploitation of the fishery resource occasioned by the recent rapid development in high-seas fishing.

NEW ENGLAND FISHERIES

Other information. The following tables contain summarized and detailed information on the 1969 operating units and catch of fish and shellfish in the New England States. Additional data on many aspects of the New England fisheries may be found in Maine, Massachusetts, and Rhode Island monthly and annual landing bulletins released by the Statistics and Market News Division and in daily, monthly, and annual reports published by the BCF Fishery Market News Office, Commonwealth Pier, Boston, Mass.

Acknowledgments. The following organizations helped collect the data appearing in this section: Maine Department of Sea and Shore Fisheries; New Hampshire Fish and Game Department: Massachusetts Department of Natural Resources, Division of Marine Fisheries; Rhode Island Department of Agriculture and Conservation, Division of Fish and Game; Connecticut State Board of Fisheries and Game; and Connecticut State Shell Fish Commission.

NEW ENGLAND FISHERIES


MAINE
NEW HAMPSHIRE
MASS.
CONN.
R.I.
Eastport
Rockland
Portland
Gloucester
Boston
Provincetown
Providence
New Bedford
Point Judith
Stonington
New Haven
ATLANTIC OCEAN

NEW ENGLAND STATES

NEW ENGLAND FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MAINE	136	5	55	23	191	28
NEW HAMPSHIRE	(1)	(1)	1	1	1	1
MASSACHUSETTS	262	28	20	15	282	42
RHODE ISLAND	81	4	8	5	89	8
CONNECTICUT	4	(1)	2	1	5	2
TOTAL	483	36	85	44	568	81

1/ LESS THAN 500,000 POUNDS OR $500,000.
NOTE:--TABLE MAY NOT ADD DUE TO ROUNDING.

SUMMARY OF OPERATING UNITS, 1969

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	528	-	2,666	544	114	3,537
ON BOATS AND SHORE:						
REGULAR	4,037	67	970	328	99	5,501
CASUAL	4,807	370	4,392	893	449	10,911
TOTAL	9,372	437	8,028	1,765	662	19,949
VESSELS, MOTOR	179	-	422	125	44	695
GROSS TONNAGE	9,809	-	37,254	6,263	1,189	48,655
BOATS:						
MOTOR	5,972	195	3,016	938	428	10,549
OTHER	154	10	57	25	5	251
GEAR:						
HAUL SEINES:						
COMMON	-	2	5	9	7	23
LENGTH, YARDS	-	200	245	776	287	1,508
DANISH	-	-	1	1	-	1
LENGTH, YARDS	-	-	30	30	-	30
STOP SEINES	55	-	-	-	-	55
LENGTH, YARDS	22,200	-	-	-	-	22,200
PURSE SEINES:						
HERRING	27	-	4	-	-	31
LENGTH, YARDS	9,450	-	1,700	-	-	11,150
MACKEREL	-	-	2	-	-	2
LENGTH, YARDS	-	-	850	-	-	850
TUNA	-	-	3	-	-	3
LENGTH, YARDS	-	-	2,200	-	-	2,200
BAG NETS	3	6	-	-	-	9
OTTER TRAWLS:						
FISH	143	2	342	75	65	590
YARDS AT MOUTH	2,813	40	9,277	1,927	1,032	14,159
LOBSTER	-	-	24	41	3	65
YARDS AT MOUTH	-	-	682	1,215	81	1,896
SHRIMP	359	3	32	-	-	386
YARDS AT MOUTH	5,209	57	860	-	-	5,965
WEIRS	64	4	-	-	-	68
POUND NETS, FISH	-	-	20	1	-	21
FLOATING TRAPS	6	-	9	23	-	38
FYKE AND HOOP NETS, FISH	-	-	-	-	3	3
POTS AND TRAPS:						
CONCH	-	-	430	1,060	750	2,240
CRAB	-	280	50	140	50	520
EEL	-	-	210	355	377	942
LOBSTER	819,375	17,160	132,303	22,480	20,704	1,012,022
BOX TRAPS	6	-	-	-	-	6
GILL NETS:						
ANCHOR, SET OR STAKE	5	1	21	-	2	27
SQUARE YARDS	49,060	5,000	128,900	-	418	167,378
DRIFT:						
SHAD	-	-	-	-	33	33
SQUARE YARDS	-	-	-	-	61,822	61,822
OTHER	-	-	135	-	8	143
SQUARE YARDS	-	-	80,040	-	6,706	86,746

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
LINES:						
HAND	304	365	1,855	308	76	2,908
HOOKS	304	1,075	3,267	542	78	5,266
TROLL	-	-	3	37	2	42
HOOKS	-	-	6	37	2	45
LONG OR SET WITH HOOKS	53	2	84	2	-	139
HOOKS	182,000	4,250	230,100	2,080	-	416,430
DIP NETS, COMMON	59	12	126	-	6	203
HARPOONS:						
SWORDFISH	-	-	12	3	-	15
OTHER	2	5	17	-	-	24
SPEARS	-	12	33	-	-	45
DREDGES:						
CLAM	-	-	24	26	8	56
YARDS AT MOUTH	-	-	23	26	8	55
MUSSEL	-	-	6	-	-	6
YARDS AT MOUTH	-	-	5	-	-	6
OYSTER, COMMON	-	-	1	-	17	18
YARDS AT MOUTH	-	-	1	-	24	25
SCALLOP:						
BAY	-	-	2,621	-	-	2,621
YARDS AT MOUTH	-	-	2,095	-	-	2,095
SEA	109	-	99	6	-	210
YARDS AT MOUTH	163	-	398	23	-	569
TONGS:						
OYSTER	-	-	20	-	2	22
OTHER	-	-	90	638	11	739
RAKES:						
OYSTER	-	-	5	-	-	5
OTHER	342	-	1,127	158	-	1,627
HOES	3,388	29	772	39	2	4,230
FORKS	-	-	45	-	-	45
DIVING OUTFITS	-	-	70	-	-	70

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	1,768	42	38	1	100	2
ANGLERFISH	-	-	-	-	160	9
BLUEFISH	-	-	-	-	150	24
BONITO	-	-	-	-	3	(1)
BUTTERFISH	(1)	(1)	-	-	66	10
COD	4,617	238	155	16	49,220	4,258
CUSK	135	8	1	(1)	933	58
EEL, COMMON	38	8	5	1	49	12
FLOUNDERS:						
BLACKBACK	96	7	4	(1)	15,616	2,130
DAB	354	23	8	1	5,691	682
FLUKE	-	-	-	-	78	35
GRAY SOLE	447	36	6	1	4,756	660
LEMON SOLE	(1)	(1)	-	-	1,612	396
YELLOWTAIL	76	8	8	1	56,282	7,581
TOTAL FLOUNDERS	973	74	26	3	84,035	11,484
HADDOCK	983	139	9	2	44,421	7,561
HAKE:						
RED	-	-	1	(1)	297	12
WHITE	1,048	46	2	(1)	1,877	111
HALIBUT	52	21	(1)	(1)	158	87
HERRING, SEA	54,214	968	-	-	9,882	146
LAUNCE	-	-	10	2	35	6
MACKEREL:						
ATLANTIC	248	12	-	-	6,956	329
SPANISH	-	-	-	-	(1)	(1)
MENHADEN	-	-	-	-	12	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MAINE		NEW HAMPSHIRE		MASSACHUSETTS	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OCEAN PERCH	50,752	2,152	6	(1)	5,057	214
POLLOCK	1,212	50	3	(1)	7,797	460
SCUP OR PORGY	-	-	-	-	274	81
SEA BASS	-	-	-	-	7	3
SEA ROBIN	-	-	-	-	1	(1)
SHAD	-	-	-	-	5	(1)
SHARK, UNCLASSIFIED	-	-	-	-	1	(1)
SKATES	-	-	-	-	114	6
SMELT	115	29	58	21	6	3
STRIPED BASS	-	-	12	2	1,038	245
STURGEON, COMMON	3	(1)	(1)	(1)	2	(1)
SWORDFISH	109	46	-	-	208	108
TAUTOG	-	-	-	-	18	1
TILEFISH	-	-	-	-	4	(1)
TUNA:						
BLUEFIN	3	1	12	1	2,636	371
UNCLASSIFIED	-	-	-	-	1	(1)
TOTAL TUNA	3	1	12	1	2,637	371
TURBOT	-	-	-	-	(1)	(1)
WHITE PERCH	-	-	-	-	1	(1)
WHITING	17,890	802	22	(1)	18,359	1,132
WOLFFISH	14	(1)	1	(1)	509	24
UNCLASSIFIED:						
FOR FOOD	1,832	145	7	1	7,683	743
FOR BAIT, REDUCTION, AND ANIMAL FOOD	406	7	-	-	19,634	238
TOTAL FISH	136,412	4,788	368	50	261,708	27,738
SHELLFISH, ETC.						
CRABS:						
GREEN	-	-	38	4	4	1
ROCK	1,185	66	10	1	-	-
TOTAL CRABS	1,185	66	48	5	4	1
LOBSTERS, NORTHERN	19,835	16,047	732	652	4,965	4,741
SHRIMP	24,235	3,045	128	15	3,909	418
CLAMS:						
HARD:						
PUBLIC	9	10	-	-	1,085	903
PRIVATE	-	-	-	-	74	84
OCEAN QUAHOG	-	-	-	-	82	17
RAZOR	-	-	-	-	2	2
SOFT, PUBLIC	4,135	1,752	-	-	1,177	878
SURF	-	-	-	-	13	3
TOTAL CLAMS	4,144	1,762	-	-	2,433	1,887
CONCHS	-	-	-	-	72	19
MUSSELS, SEA	353	29	-	-	86	17
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	-	-	3	6
FALL	-	-	-	-	3	8
PRIVATE:						
SPRING	-	-	-	-	21	47
FALL	-	-	-	-	39	101
TOTAL OYSTERS	-	-	-	-	66	162
PERIWINKLES AND COCKLES	43	9	-	-	-	-
SCALLOPS:						
BAY	-	-	-	-	1,172	1,592
SEA	152	155	-	-	4,936	5,458
TOTAL SCALLOPS	152	155	-	-	6,108	7,050
SQUID	-	-	-	-	537	59
SEA URCHINS	81	6	-	-	-	-
IRISH MOSS	3,420	102	-	-	1,680	50
BLOODWORMS	782	1,000	-	-	1	1
SANDWORMS	672	524	12	12	99	130
TOTAL SHELLFISH, ETC.	54,902	22,745	920	684	19,960	14,535
GRAND TOTAL	191,314	27,533	1,288	734	281,668	42,273

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

NEW ENGLAND FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	215	5	11	(1)	2,132	50
AMBERJACK	3	(1)	-	-	3	(1)
ANCHOVIES	6	1	-	-	6	1
ANGLERFISH	2	(1)	-	-	162	9
BILLFISH	(1)	(1)	-	-	(1)	(1)
BLUEFISH	124	18	83	14	357	56
BONITO	181	21	-	-	184	21
BUTTERFISH	1,141	191	68	11	1,275	212
CATFISH	-	-	1	(1)	1	(1)
COD	2,472	209	427	34	56,891	4,755
CREVALLE	16	1	-	-	16	1
CUSK	5	(1)	-	-	1,074	66
DOLPHIN	(1)	(1)	-	-	(1)	(1)
EELS:						
COMMON	46	12	17	3	155	36
CONGER	11	1	-	-	11	1
FLOUNDERS:						
BLACKBACK	4,300	438	931	94	20,947	2,669
DAB	245	35	-	-	6,298	741
FLUKE	267	131	23	11	368	177
GRAY SOLE	371	48	-	-	5,580	745
LEMON SOLE	115	36	-	-	1,727	432
YELLOWTAIL	8,375	954	66	8	64,807	8,552
TOTAL FLOUNDERS	13,673	1,642	1,020	113	99,727	13,316
FRIGATE MACKEREL	8	1	-	-	8	1
HADDOCK	396	61	-	-	45,809	7,763
HAKE:						
RED	594	21	-	-	892	33
WHITE	94	5	2	(1)	3,023	162
HALIBUT	1	1	-	-	211	109
HERRING, SEA	4,506	71	-	-	68,602	1,185
KING WHITING OR "KINGFISH"	1	(1)	(1)	(1)	1	(1)
LAUNCE	-	-	-	-	45	8
MACKEREL:						
ATLANTIC	625	61	13	1	[illegible]	403
SPANISH	-	-	-	-	(1)	(1)
MENHADEN	21	1	13	(1)	[illegible]	1
MULLET, BLACK (LISA)	12	2	-	-	12	2
OCEAN PERCH	3	(1)	-	-	55,618	[illegible]
OCEAN POUT	1	(1)	-	-	1	(1)
POLLOCK	56	3	-	-	[illegible]	513
SCUP OR PORGY	2,081	469	135	[illegible]	2,490	[illegible]
SEA BASS	34	15	(1)	(1)	41	16
SEA ROBIN	72	1	1	(1)	74	1
SEA TROUT OR WEAKFISH, GRAY	14	2	-	-	14	2
SHAD	6	(1)	190	59	201	59
SHARKS:						
GRAYFISH	(1)	(1)	5	(1)	5	(1)
UNCLASSIFIED	2	(1)	1	(1)	4	(1)
TOTAL SHARKS	2	(1)	6	(1)	9	(1)
SKATES	2	(1)	18	1	134	7
SMELT	3	1	1	(1)	163	54
STRIPED BASS	132	35	-	-	1,182	282
STURGEON, COMMON	3	(1)	(1)	(1)	[illegible]	(1)
SWORDFISH	18	8	1	1	[illegible]	163
TAUTOG	56	3	6	1	80	5
THIMBLE-EYED MACKEREL	1	(1)	-	-	1	(1)
TILEFISH	29	[illegible]	-	-	33	[illegible]
TUNA:						
BLUEFIN	35	6	-	-	2,686	379
UNCLASSIFIED	-	-	-	-	1	(1)
TOTAL TUNA	35	6	-	-	2,687	379
TURBOT	-	-	-	-	(1)	(1)
WHITE PERCH	23	4	11	2	35	[illegible]
WHITING	2,836	204	194	14	39,301	2,152
WOLFFISH	(1)	(1)	(1)	(1)	523	24
UNCLASSIFIED:						
FOR FOOD	40	3	60	13	[illegible]	[illegible]
FOR BAIT, REDUCTION, AND ANIMAL FOOD	51,327	413	1,400	[illegible]	[illegible]	[illegible]
TOTAL FISH	[illegible]	3,518	[illegible]	339	483,113	[illegible]

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	RHODE ISLAND		CONNECTICUT		TOTAL	
SHELLFISH, ETC.	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CRABS:						
GREEN	8	1	4	(1)	54	6
ROCK	297	37	-	-	1,492	104
TOTAL CRABS	305	38	4	(1)	1,546	110
HORSESHOE CRABS	-	-	11	1	11	1
LOBSTERS, NORTHERN	4,246	3,787	933	945	30,711	26,172
SHRIMP	-	-	-	-	28,272	3,478
CLAMS:						
HARD:						
PUBLIC	1,232	754	24	8	2,350	1,675
PRIVATE	-	-	279	116	353	200
OCEAN QUAHOG	472	69	85	13	639	99
RAZOR	-	-	-	-	2	2
SOFT, PUBLIC	18	12	(1)	(1)	5,330	2,642
SURF	-	-	-	-	13	3
TOTAL CLAMS	1,722	835	388	137	8,687	4,621
CONCHS	172	57	93	19	337	95
MUSSELS, SEA	-	-	-	-	439	46
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	-	-	3	6
FALL	-	-	(1)	1	3	9
PRIVATE:						
SPRING	-	-	39	87	60	134
FALL	-	-	47	108	86	209
TOTAL OYSTERS	-	-	86	196	152	358
PERIWINKLES AND COCKLES	-	-	-	-	43	9
SCALLOPS:						
BAY	-	-	-	-	1,172	1,592
SEA	19	23	-	-	5,107	5,636
TOTAL SCALLOPS	19	23	-	-	6,279	7,228
SQUID	1,123	116	269	27	1,929	202
SEA URCHINS	-	-	-	-	81	6
IRISH MOSS	-	-	-	-	5,100	152
BLOODWORMS	-	-	-	-	783	1,001
SANDWORMS	-	-	-	-	783	666
TOTAL SHELLFISH, ETC.	7,587	4,856	1,784	1,325	85,153	44,145
GRAND TOTAL	88,514	8,374	5,482	1,664	568,266	80,578

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--STATISTICS ON THE LANDINGS ARE SHOWN IN ROUND (LIVE WEIGHT) EXCEPT FOR SHELL MOLLUSKS. CLAMS, CONCHS, MUSSELS, OYSTERS, AND PERIWINKLES AND COCKLES ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS ARE REPORTED IN WEIGHT OF EDIBLE MEATS.

NEW ENGLAND FISHERIES

LANDINGS OF CERTAIN SHELLFISH, 1969

(U.S. STANDARD BUSHELS)

SPECIES	MAINE		MASSACHUSETTS		RHODE ISLAND	
	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE
CLAMS:						
HARD:						
PUBLIC.	809	$9,762	98,645	$902,759	102,625	$753,557
PRIVATE	-	-	6,700	83,725	-	-
OCEAN QUAHOG.	-	-	8,220	17,175	47,190	68,941
RAZOR	-	-	138	1,865	-	-
SOFT, PUBLIC.	275,660	1,752,149	90,562	877,936	1,415	11,640
SURF.	-	-	1,191	3,146	-	-
CONCHS.	-	-	4,787	18,627	11,453	57,106
MUSSELS, SEA.	23,527	28,625	8,600	17,300	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	-	-	415	5,540	-	-
FALL.	-	-	400	7,555	-	-
PRIVATE:						
SPRING.	-	-	3,215	47,400	-	-
FALL.	-	-	6,015	100,780	-	-
PERIWINKLES AND COCKLES . .	2,394	9,455	-	-	-	-
SCALLOPS:						
BAY	-	-	195,367	1,592,357	-	-
SEA	25,300	154,913	822,750	5,458,018	3,183	23,071

SPECIES	CONNECTICUT		TOTAL	
	NUMBER	VALUE	NUMBER	VALUE
CLAMS:				
HARD:				
PUBLIC.	2,008	$8,343	204,087	$1,674,421
PRIVATE	23,258	115,586	29,958	199,311
OCEAN QUAHOG.	8,530	12,798	63,940	98,914
RAZOR	-	-	138	1,865
SOFT, PUBLIC.	8	80	367,645	2,641,805
SURF.	-	-	1,191	3,146
CONCHS.	6,193	19,090	22,433	94,823
MUSSELS, SEA.	-	-	32,127	45,925
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	-	-	415	5,540
FALL.	52	505	452	8,060
PRIVATE:				
SPRING.	5,026	87,339	8,241	134,739
FALL.	6,078	107,858	12,093	208,638
PERIWINKLES AND COCKLES . .	-	-	2,394	9,455
SCALLOPS:				
BAY	-	-	195,367	1,592,357
SEA	-	-	851,233	5,636,002

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1969

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

SPECIES	MAINE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT
	POUNDS	POUNDS	POUNDS	POUNDS
CLAMS:				
HARD:				
PUBLIC.	11.00	11.00	12.00	12.00
PRIVATE	-	11.00	-	12.00
OCEAN QUAHOG.	-	10.00	10.00	10.00
RAZOR	-	16.00	-	-
SOFT, PUBLIC.	15.00	13.00	13.00	13.00
SURF.	-	11.00	-	-
CONCHS.	-	15.00	15.00	15.00
MUSSELS, SEA.	15.00	10.00	-	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	-	6.50	-	-
FALL.	-	6.50	-	7.00
PRIVATE:				
SPRING.	-	6.50	-	7.50
FALL.	-	6.50	-	[illegible]
PERIWINKLES AND COCKLES . .	18.00	-	-	-
SCALLOPS:				
BAY	-	6.00	-	-
SEA	6.00	6.00	6.00	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

PROCESSED FISHERY PRODUCTS, 1969

ITEM		MAINE		NEW HAMPSHIRE	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES, SMOKED	POUNDS	10,165	$1,147	-	-
COD:					
FILLETS:					
FRESH	DO	260,019	119,808	-	-
BREADED, RAW AND COOKED, FROZEN	DO	-	-	(1)	(1)
SPECIALTIES, FROZEN (CRISPS, FISH AND CHIPS, ETC.)	DO	-	-	(1)	(1)
SALTED	DO	151,157	69,964	-	-
SMOKED	DO	(1)	(1)	-	-
CUSK:					
FILLETS, FRESH AND FROZEN	DO	138,500	63,550	-	-
SALTED	DO	(1)	(1)	-	-
FLOUNDER:					
FILLETS:					
FRESH	DO	113,935	[illegible]	-	-
BREADED, RAW AND COOKED, FROZEN	DO	-	-	(1)	(1)
SPECIALTIES, FROZEN (DINNERS, IN SAUCES, ETC.)	DO	-	-	(1)	(1)
HADDOCK:					
FILLETS:					
FRESH	DO	478,683	448,209	-	-
BREADED, RAW AND COOKED, FROZEN	DO	-	-	(1)	(1)
SPECIALTIES:					
FROZEN (DINNERS, AU GRATIN, ETC.)	DO	-	-	(1)	(1)
CANNED (CREAMED AND ROE)	STANDARD CASES	(1)	(1)	-	-
SMOKED (INCLUDING FINNAN HADDIE)	POUNDS	(1)	(1)	-	-
HAKE:					
FILLETS, FRESH	DO	45,109	19,064	-	-
SALTED	DO	16,700	5,076	-	
HALIBUT, FILLETS AND STEAKS, FRESH AND FROZEN	DO	(3)	(3)	-	-
HERRING, SEA:					
CANNED:					
SARDINES	STANDARD CASES	1,042,806	11,511,902	-	-
FISH	DO	12,684	191,830	-	-
SPECIALTIES (SPREADS)	DO	(1)	(1)	-	-
SMOKED	POUNDS	(1)	(1)	-	-
MEAL AND SCRAP	TONS	4,772	716,520	-	-
OIL	1,000 POUNDS	(1)	(1)	-	-
PEARL ESSENCE	-	-	1,540,933	-	-
MACKEREL, ATLANTIC, CANNED (NATURAL)	STANDARD CASES	(1)	(1)	-	-
OCEAN PERCH, ATLANTIC:					
FILLETS:					
FRESH AND FROZEN	POUNDS	12,995,038	3,540,110	-	-
BREADED, RAW AND COOKED, FROZEN	DO	(1)	(1)	(1)	(1)
SPECIALTIES, FROZEN (DINNERS, ETC.)	DO	-	-	(1)	(1)
POLLOCK:					
FILLETS, FRESH	DO	199,000	40,030	-	-
SALTED	DO	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	-	-
SALMON SPECIALTIES, CANNED (CREAMED AND SPREADS)	STANDARD CASES	(1)	(1)	-	-
SMELT, BREADED AND COOKED, FROZEN	POUNDS	-	-	(1)	(1)
TUNA SPECIALTIES, CANNED (SPREADS)	STANDARD CASES	(1)	(1)	-	-
WHITING:					
HEADED AND DRESSED, FRESH AND FROZEN	POUNDS	6,518,859	1,105,352	-	-
FILLETS, FRESH AND FROZEN	DO	354,450	90,001	-	-
CRABS, ROCK:					
FRESH, COOKED MEAT	DO	148,207	282,419	-	-
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
SPECIALTIES (DIPS, DEVILED AND SPREADS)	DO	(1)	(1)	-	-
LOBSTERS:					
NORTHERN:					
FRESH AND FROZEN:					
COOKED MEAT	POUNDS	197,079	963,658	36,839	$184,714
WHOLE	DO	(1)	(1)	-	-
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
SPECIALTIES (DIPS, SPREADS, DEVILED, BISQUE, ETC.)	DO	(1)	(1)	-	-
SPINY, TAILS RAW, FROZEN	POUNDS	-	-	(1)	(1)
SHRIMP:					
FRESH AND FROZEN:					
RAW, HEADLESS	DO	2,033,483	913,046	-	
WHOLE, COOKED	DO	9,574,551	3,656,185	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		MAINE		NEW HAMPSHIRE	
		QUANTITY	VALUE	QUANTITY	VALUE
SHRIMP - CONTINUED					
PEELED (INCLUDING DEVEINED), RAW	POUNDS	2,374 271	$1,894,944	(1)	(1)
BREADED, RAW AND COOKED	DO	(1)	(1)	-	-
SPECIALTIES (CREOLES, CROQUETTES, SOUP, DINNERS, ETC.)	DO	-	-	(1)	(1)
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
SPECIALTIES	DO	(1)	(1)	-	-
CLAMS:					
FRESH AND FROZEN, SHUCKED, SOFT	GALLONS	139,927	1,071 389	84,473	$720,247
CANNED:					
WHOLE AND MINCED	STANDARD CASES	7,214	182,245	-	-
CHOWDER AND JUICE	DO	(1)	(1)	-	-
SPECIALTIES (DIPS, STEW, IN SHELL, ETC.)	DO	(1)	(1)	-	-
SCALLOPS:					
SEA, BREADED:					
RAW	POUNDS	-	-	(1)	(1)
COOKED	DO	-	-	(1)	(1)
UNCLASSIFIED:					
FRESH AND FROZEN, PACKAGED FISH:					
STICKS, BREADED:					
RAW	DO	(1)	(1)	(1)	(1)
COOKED	DO	(1)	(1)	(1)	(1)
PORTIONS:					
RAW:					
NOT BREADED	DO	(1)	(1)	(1)	(1)
BREADED	DO	(1)	(1)	(1)	(1)
BREADED AND COOKED	DO	(1)	(1)	(1)	(1)
CAKES, BREADED, RAW AND COOKED	DO	-	-	(1)	(1)
FISH AND SHELLFISH	POUNDS	27,183,516	12,895,642	(5)	(5)
CANNED	STANDARD CASES	762,880	6,418,281	-	-
CURED	POUNDS	362,090	170,408	-	-
INDUSTRIAL	-	-	10,221,739	-	-
TOTAL	-	-	47,675.038	-	11,331,997

ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
BLUEFISH FILLETS, FRESH	POUNDS	(1)	(1)	-	-
CHUBS, SMOKED	DO	(1)	(1)	-	-
COD:					
FILLETS:					
FRESH	DO	7,686,789	$3,576,795	-	-
FROZEN	DO	4,035,586	1,636,373	-	-
BREADED, RAW AND COOKED, FROZEN	DO	3,152,982	1,516,016	-	-
STEAKS, FRESH AND FROZEN	DO	(2)	(2)	-	-
SPECIALTIES:					
FROZEN (CRISPS, FISH AND CHIPS, ETC.)	DO	(1)	(1)	-	-
CANNED (CAKES, SALTED AND FLAKES)	STANDARD CASES	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	-	-
OIL, LIVER	1,000 POUNDS	(1)	(1)	-	-
CUSK FILLETS, FRESH AND FROZEN	POUNDS	433,752	157,620	-	-
FLOUNDER:					
DRESSED, FROZEN	DO	(1)	(1)	-	-
FILLETS:					
FRESH	DO	22,865,290	12,937,641	780,820	$445,067
FROZEN	DO	5,438,331	2,716,577	318,930	111,626
BREADED, RAW AND COOKED, FROZEN	DO	5,310,159	3,302,650	-	-
SPECIALTIES, FROZEN (DINNERS, IN SAUCES, ETC.)	DO	1,745,367	1,266,076	-	-
HADDOCK:					
FILLETS:					
FRESH	DO	10,771,803	6,887,821	-	-
FROZEN	DO	1,853,114	1,000,245	-	-
BREADED, RAW AND COOKED, FROZEN	DO	4,131,573	2,566,057	-	-
SPECIALTIES:					
FROZEN (DINNERS, AU GRATIN, ETC.)	DO	(1)	(1)	-	-
CANNED (CREAMED AND ROE)	STANDARD CASES	(1)	(1)	-	-
SMOKED (INCLUDING FINNAN HADDIE)	POUNDS	(1)	(1)	-	-
HAKE FILLETS, FRESH	DO	49,443	15,353	-	-
HALIBUT:					
FILLETS AND STEAKS, FRESH AND FROZEN	DO	1,156,912	761,081	-	-
LIVER, OIL	1,000 POUNDS	(1)	(1)	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
HERRING, SEA:					
SALTED	POUNDS	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	-	-
MEAL AND SCRAP	TONS	(1)	(1)	-	-
OIL.	1,000 POUNDS	(1)	(1)	-	-
MACKEREL, ATLANTIC:					
FILLETS, FRESH AND FROZEN.	POUNDS	(1)	(1)	-	-
SALTED	DO	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	-	-
OCEAN PERCH, ATLANTIC:					
FILLETS:					
FRESH AND FROZEN	DO	1,622,681	$496,978	-	-
BREADED, RAW AND COOKED, FROZEN. .	DO	8,745,892	3,715,838	-	-
SPECIALTIES, FROZEN (DINNERS, ETC.).	DO	(1)	(1)	-	-
POLLOCK:					
FILLETS:					
FRESH.	DO	2,107,746	667,637	-	-
FROZEN	DO	920,525	215,930	-	-
BREADED RAW, FROZEN.	DO	(1)	(1)	-	-
STEAKS, FRESH.	DO	(2)	(2)	-	-
SMOKED	DO	(1)	(1)	-	-
SABLEFISH, SMOKED.	DO	(1)	(1)	-	-
SALMON:					
STEAKS, FRESH AND FROZEN	DO	70,029	73,015	-	-
SPECIALTIES, FROZEN (PATTIES, BREADED RAW AND COOKED).	DO	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	-	-
SHAD FILLETS, FRESH (BONED).	DO	-	-	28,445	$66,561
SMELT, BREADED AND COOKED, FROZEN. . .	DO	271,490	109 484	-	-
SWORDFISH:					
STEAKS:					
FRESH.	DO	622,962	500,155	-	-
FROZEN	DO	1,170.993	740.220	-	-
SPECIALTIES, FROZEN (IN LEMON BUTTER SAUCE)	DO	(1)	(1)	-	-
OIL, LIVER	1,000 POUNDS	(1)	(1)	-	-
TUNA:					
SPECIALTIES, FROZEN (WITH NOODLES) .	POUNDS	(1)	(1)	-	-
OIL, LIVER	1,000 POUNDS	(1)	(1)	-	-
WHITEFISH, SMOKED.	POUNDS	(1)	(1)	-	-
WHITING:					
HEADED AND DRESSED, FRESH AND FROZEN	DO	10,137 832	2,142 212		
FILLETS:					
FRESH AND FROZEN	DO	540 109	179,973	-	-
BREADED AND COOKED, FROZEN	DO	(1)	(1)	-	-
WOLFFISH:					
FILLETS AND STEAKS:					
FRESH.	DO	25,400	7,891	-	-
FROZEN	DO	117,774	47,128	-	-
CRABS:					
ROCK:					
FRESH, COOKED MEAT	DO	11,600	34,780	-	-
SPECIALTIES, FROZEN (CAKES BREADED AND COOKED)	DO	(1)	(1)	-	-
KING SPECIALTIES, FROZEN (CAKES, BREADED AND COOKED).	DO	(1)	(1)	-	-
LOBSTERS:					
NORTHERN:					
FRESH AND FROZEN:					
COOKED MEAT.	DO	458,515	2,252,961	67,089	310,775
WHOLE.	DO	(1)	(1)	-	-
CANNED:					
REGULAR.	STANDARD CASES	-	-	(1)	(1)
SPECIALTIES (DIPS, SPREADS, DEVILED, BISQUE. ETC.)	DO	-	-	(1)	(1)
SHRIMP, FRESH AND FROZEN:					
RAW, HEADLESS.	POUNDS	(4)	(4)	-	-
WHOLE, COOKED.	DO	(1)	(1)	-	-
PEELED (INCLUDING DEVEINED):					
RAW.	DO	(1)	(1)	-	-
COOKED	DO	3,377,048	6,402,621	-	-
BREADED, RAW AND COOKED.	DO	1,163,273	1,728,987	-	-
SPECIALTIES (CREOLES, CROQUETTES, SOUP, DINNERS, ETC.)	DO	3,754,926	3,293,552	-	-
CLAMS:					
FRESH AND FROZEN:					
SHUCKED:					
HARD AND SURF (INCLUDES OCEAN QUAHOGS).	GALLONS	204,196	748,495	541,993	2,215,021

SEE FOOTNOTES AT END OF TABLE.

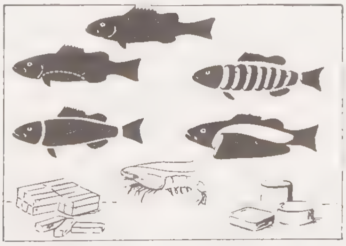
(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		MASSACHUSETTS		RHODE ISLAND AND CONNECTICUT	
		QUANTITY	VALUE	QUANTITY	VALUE
CLAMS - CONTINUED					
SOFT	GALLONS	52,225	$541,375	-	-
BREADED, RAW AND COOKED	POUNDS	(1)	(1)	(1)	(1)
SPECIALTIES, FROZEN (STUFFED, CHOWDER, STRIPS, ETC)	DO	1,452,687	1 264,254	(1)	(1)
CANNED:					
CHOWDER AND JUICE	STANDARD CASES	(1)	(1)	(1)	(1)
SPECIALTIED (DIPS, STEW, IN SHELL, ETC.)	DO	-	-	(1)	(1)
CONCH MEATS, FROZEN	POUNDS	-	-	171,995	96 613
OYSTER SPECIALTIES, FROZEN (STEWS)	DO	(1)	(1)	-	-
SCALLOPS:					
BAY, SHUCKED	GALLONS	143,238	1,683,900	-	-
SEA:					
SHUCKED	POUNDS	1,767,747	2,201,039	-	-
BREADED:					
RAW	DO	714,637	799 710	(1)	(1)
COOKED	DO	1,823,515	2,479,830	-	-
SPECIALTIES, FROZEN (DINNERS, IN SAUCES, ETC.)	DO	1,316,675	1,570,905	-	-
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED FISH:					
STICKS, BREADED:				-	
RAW	DO	1,337,028	556,052	-	-
COOKED	DO	43,047,792	19,787,781		-
PORTIONS:					
RAW:					
NOT BREADED	DO	1,114,328	514,251	-	-
BREADED	DO	51,210,915	20,422,395	-	-
BREADED AND COOKED	DO	18,854,864	7,757,476	-	-
CAKES, BREADED, RAW AND COOKED	DO	5,828,932	2,251,633	-	-
DINNERS, BREADED, RAW AND COOKED	DO	9,733,311	6,572,385	-	-
FISH AND SHELLFISH	DO	12,099,410	6,716,417	609,679	573,336
CANNED	STANDARD CASES	2,631,264	22,974,924	(1)	(1)
CURED	POUNDS	1,008,514	1,439,193	-	-
INDUSTRIAL	-	-	1,022,221	-	680,666
TOTAL	-	-	162,357,668	-	4,499,665

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH.
2/ THE PRODUCTION OF STEAKS HAS BEEN INCLUDED WITH THE FILLET PRODUCTION.
3/ THE PRODUCTION OF HALIBUT FILLETS AND STEAKS IN MAINE HAS BEEN INCLUDED WITH MASSACHUSETTS.
4/ THE PRODUCTION OF RAW HEADLESS SHRIMP IN MASSACHUSETTS HAS BEEN INCLUDED WITH MAINE.
5/ THE PRODUCTION OF UNCLASSIFIED PACKAGED FISH AND SHELLFISH IN NEW HAMPSHIRE HAS BEEN INCLUDED WITH MAINE.

NOTE:--THIS TABLE WILL NOT ADD. INDIVIDUAL STATE TOTALS ARE CORRECT. SOME OF THE PRODUCTS MAY HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.



NEW ENGLAND FISHERIES

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	38,935
FROZEN	129,738
CANNED	41,323
CURED	1,686
INDUSTRIAL	14,182
TOTAL	225,864

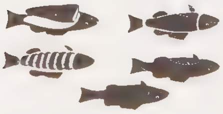
VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
MAINE	[illegible]
NEW HAMPSHIRE	[illegible]
MASSACHUSETTS	162,358
RHODE ISLAND	4,238
CONNECTICUT	261
TOTAL	225,864

WHOLESALING AND PROCESSING, 1969

ITEM	MAINE	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:						
ESTABLISHMENTS	254	13	237	33	10	547
PERSONS ENGAGED:						
AVERAGE FOR SEASON	5,885	464	5,829	345	53	12,576
AVERAGE FOR YEAR	3,586	391	5,034	291	45	9,347



NEW ENGLAND FISHERIES

MAINE

OPERATING UNITS BY GEAR, 1969

ITEM	STOP SEINES	PURSE SEINES, HERRING	BAG NETS	OTTER TRAWLS		WEIRS
				FISH	SHRIMP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	56	36	-	341	222	-
ON BOATS AND SHORE:						
REGULAR	53	26	-	53	264	61
CASUAL.	86	30	4	39	230	54
TOTAL	195	92	44	433	716	115
VESSELS, MOTOR.	14	9	-	97	105	-
GROSS TONNAGE	239	383	-	7,754	3,377	-
BOATS:						
MOTOR	54	27	1	46	254	64
OTHER	67	27	2	-	-	49
GEAR:						
NUMBER.	55	27	3	143	359	64
LENGTH, YARDS	22,200	9,450	-	-	-	-
YARDS AT MOUTH.	-	-	-	2,813	5,209	-

ITEM	FLOATING TRAPS	POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE	LINES	
		LOBSTER	BOX TRAPS		HAND	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	36	-	11	1	10
ON BOATS AND SHORE:						
REGULAR	6	3,074	2	1	90	51
CASUAL.	12	2,704	6	1	213	48
TOTAL	18	5,814	8	13	304	109
VESSELS, MOTOR.	-	35	-	4	1	22
GROSS TONNAGE	-	402	-	116	13	192
BOATS:						
MOTOR	6	5,667	3	1	90	51
OTHER	6	2	2	-	-	-
GEAR:						
NUMBER.	6	819,375	6	5	304	53
SQUARE YARDS.	-	-	-	49,060	-	-
HOOKS OR BAITS.	-	-	-	-	304	182,000

ITEM	DIP NETS, COMMON	HARPOONS	DREDGES, SCALLOP, SEA	RAKES	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	1	-	-	-	528
ON BOATS AND SHORE:						
REGULAR	-	1	109	-	1,558	4,037
CASUAL.	59	1	109	342	1,830	4,807
TOTAL	59	3	218	342	3,388	9,372
VESSELS, MOTOR.	-	1	-	-	-	179
GROSS TONNAGE	-	13	-	-	-	9,809
BOATS:						
MOTOR	-	1	109	243	-	5,972
OTHER	-	-	-	-	-	154
GEAR:						
NUMBER.	59	2	109	342	3,388	-
YARDS AT MOUTH.	-	-	163	-	-	-

MAINE - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	STOP SEINES		PURSE SEINES, HERRING		BAG NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	41,200	$1,590	-	-	-	-
HERRING, SEA	10,477,000	216,806	35,413,800	$579,150	-	-
SMELT	-	-	-	-	50,100	$11,710
TOTAL	10,518,200	218,396	35,413,800	579,150	50,100	11,710

SPECIES	OTTER TRAWLS				WEIRS	
	FISH		SHRIMP			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	2,529,200	$126,982	-	-	-	-
CUSK	109,000	7,275	-	-	-	-
FLOUNDERS:						
BLACKBACK	95,700	6,816	-	-	-	-
DAB	353,900	23,445	-	-	-	-
GRAY SOLE	445,600	35,797	-	-	-	-
LEMON SOLE	100	20	-	-	-	-
YELLOWTAIL	76,400	8,221	-	-	-	-
HADDOCK	928,100	132,124	-	-	-	-
HAKE, WHITE	421,300	19,690	-	-	-	-
HALIBUT	43,300	17,507	-	-	-	-
HERRING, SEA	1,300	56	-	-	8,318,600	$171,531
MACKEREL, ATLANTIC	300	29	-	-	77,500	3,982
OCEAN PERCH	50,752,400	2,151,758	-	-	-	-
POLLOCK	769,500	30,543	-	-	-	-
STURGEON, COMMON	2,600	149	-	-	-	-
WHITING	17,889,600	801,872	-	-	-	-
WOLFFISH	14,200	481	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	1,826,600	144,369	-	-	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	404,800	6,982	-	-	-	-
SHRIMP	-	-	24,235,400	$3,044,948	-	-
TOTAL	76,663,900	3,514,116	24,235,400	3,044,948	8,396,100	175,513

SPECIES	FLOATING TRAPS		POTS AND TRAPS			
			LOBSTER		BOX TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUTTERFISH	100	$7	-	-	-	-
COD	100	4	-	-	-	-
EEL, COMMON	-	-	-	-	37,900	$7,964
HERRING, SEA	3,000	114	-	-	-	-
MACKEREL, ATLANTIC	170,700	7,647	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	100	22	-	-	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	800	33	-	-	-	-
CRABS, ROCK	-	-	1,185,000	$66,460	-	-
LOBSTERS, NORTHERN	-	-	19,834,900	16,046,829	-	-
TOTAL	174,800	7,827	21,019,900	16,113,289	37,900	7,964

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	1,342,500	$79,658	339,400	$13,846	405,500	$17,361
CUSK	5,300	336	1,300	66	19,500	431
FLOUNDER, GRAY SOLE	-	-	-	-	1,100	101
HADDOCK	33,000	4,098	1,000	101	20,400	2,809
HAKE, WHITE	220,700	8,719	1,400	72	404,900	18,066
HALIBUT	200	95	1,100	555	7,900	3,293
POLLOCK	302,300	15,948	50,300	1,398	90,000	2,320
SMELT	-	-	58,000	15,249	-	-
STURGEON, COMMON	200	26	-	-	-	-
SWORDFISH	-	-	-	-	108,600	45,720
TUNA, BLUEFIN	-	-	-	-	1,100	268
WOLFFISH	-	-	-	-	200	6
UNCLASSIFIED, FOR FOOD	5,000	300	-	-	-	-
TOTAL	1,909,200	109,180	452,500	31,287	1,059,200	90,375

(CONTINUED ON NEXT PAGE)

MAINE - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	DIP NETS, COMMON		HARPOONS		DREDGES, SCALLOP, SEA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	1,726,800	$40,288	-	-	-	-
SMELT	7,100	1,774	-	-	-	-
TUNA, BLUEFIN	-	-	1,900	$363	-	-
SCALLOPS, SEA	-	-	-	-	151,800	$154,913
SEA URCHINS	80,900	5,700	-	-	-	-
TOTAL	1,814,800	47,762	1,900	363	151,800	154,913

SPECIES	RAKES		HOES		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, PUBLIC:						
HARD.	-	-	8,900	$9,762	-	-
SOFT.	-	-	4,134,900	1,752,149	-	-
MUSSELS, SEA.	-	-	352,900	28,625	-	-
PERIWINKLES AND COCKLES . .	-	-	-	-	43,100	$9,455
IRISH MOSS.	3,420,000	$102,600	-	-	-	-
BLOODWORMS.	-	-	781,900	999,787	-	-
SANDWORMS	-	-	672,800	523,836	-	-
TOTAL	3,420,000	102,600	5,951,400	3,314,159	43,100	9,455

NEW HAMPSHIRE

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	BAG NETS	OTTER TRAWLS		WEIRS
			FISH	SHRIMP	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	-	-	6	8	-
CASUAL.	5	8	-	-	5
TOTAL	5	8	6	8	5
BOATS:					
MOTOR	1	-	2	3	1
OTHER	1	-	-	-	1
GEAR:					
NUMBER.	2	6	2	3	4
LENGTH, YARDS	200	-	-	-	-
YARDS AT MOUTH.	-	-	40	57	-

ITEM	POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE	LINES	
	CRAB	LOBSTER		HAND	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	5	65	2	10	4
CASUAL.	11	196	1	150	-
TOTAL	16	261	3	160	4
BOATS:					
MOTOR	12	185	1	2	2
OTHER	-	8	-	-	-
GEAR:					
NUMBER.	280	17,160	1	365	2
SQUARE YARDS.	-	-	5,000	-	-
HOOKS OR BAITS.	-	-	-	1,075	4,250

ITEM	DIP NETS, COMMON	HARPOONS	SPEARS	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	-	2	-	2	67
CASUAL.	12	12	12	27	370
TOTAL	12	14	12	29	437
BOATS:					
MOTOR	-	5	-	-	195
OTHER	-	-	-	-	10
GEAR, NUMBER.	12	5	12	29	-

NEW HAMPSHIRE - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		BAG NETS		OTTER TRAWLS FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	30,000	$3,000
FLOUNDERS:						
BLACKBACK	-	-	-	-	1,500	165
DAB	-	-	-	-	4,500	338
GRAY SOLE	-	-	-	-	3,800	456
YELLOWTAIL	-	-	-	-	3,000	330
HADDOCK	-	-	-	-	3,000	480
HAKE, WHITE	-	-	-	-	500	40
LAUNCE	10,000	$1,500	-	-	-	-
OCEAN PERCH	-	-	-	-	6,500	130
SMELT	-	-	4,000	$1,600	-	-
WHITING	-	-	-	-	22,000	330
WOLFFISH	-	-	-	-	300	21
UNCLASSIFIED, FOR FOOD	-	-	-	-	4,000	400
TOTAL	10,000	1,500	4,000	1,600	79,100	5,690

SPECIES	OTTER TRAWLS - CONTINUED SHRIMP		WEIRS		POTS AND TRAPS CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	30,000	$856	-	-
COD	16,000	$1,920	-	-	-	-
EEL, COMMON	-	-	2,800	700	-	-
FLOUNDERS:						
BLACKBACK	2,000	240	-	-	-	-
DAB	4,000	360	-	-	-	-
GRAY SOLE	2,000	320	-	-	-	-
YELLOWTAIL	5,500	715	-	-	-	-
HADDOCK	1,000	210	-	-	-	-
HAKE:						
RED	500	20	-	-	-	-
WHITE	1,000	80	-	-	-	-
SMELT	-	-	8,500	1,955	-	-
WOLFFISH	400	28	-	-	-	-
UNCLASSIFIED, FOR FOOD	2,500	275	-	-	-	-
CRABS, GREEN	-	-	-	-	38,200	$4,250
SHRIMP	128,000	15,360	-	-	-	-
TOTAL	162,900	19,528	41,300	3,511	38,200	4,250

SPECIES	POTS AND TRAPS - CONTINUED LOBSTER		GILL NETS, ANCHOR, SET OR STAKE		LINES HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	93,000	$9,300	8,000	$850
HADDOCK	-	-	3,500	525	-	-
HAKE, WHITE	-	-	300	21	-	-
POLLOCK	-	-	2,500	150	400	24
SMELT	-	-	-	-	40,000	16,000
STRIPED BASS	-	-	-	-	12,000	2,160
STURGEON, COMMON	-	-	200	30	-	-
CRABS, ROCK	10,000	$1,000	-	-	-	-
LOBSTERS, NORTHERN	732,000	651,460	-	-	-	-
TOTAL	742,000	652,480	99,500	10,026	60,400	19,034

SPECIES	LINES - CONTINUED LONG OR SET WITH HOOKS		DIP NETS, COMMON		HARPOONS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	7,500	$225	-	-
COD	8,000	$960	-	-	-	-
CUSK	1,000	60	-	-	-	-
HADDOCK	1,500	270	-	-	-	-
HAKE, WHITE	200	12	-	-	-	-
HALIBUT	400	240	-	-	-	-
SMELT	-	-	5,000	1,000	-	-
TUNA, BLUEFIN	-	-	-	-	12,500	$1,125
UNCLASSIFIED, FOR FOOD	500	40	-	-	-	-
TOTAL	11,600	1,582	12,500	1,225	12,500	1,125

SPECIES	SPEARS		HOES	
	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	1,800	$450	-	-
SANDWORMS	-	-	12,000	$11,640
TOTAL	1,800	450	12,000	11,640

NEW ENGLAND FISHERIES

MASSACHUSETTS

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES		PURSE SEINES			OTTER TRAWLS
	COMMON	DANISH	HERRING	MACKEREL	TUNA	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	5	43	22	33	2,018
ON BOATS AND SHORE:						
REGULAR	1	-	-	-	-	[illegible]
CASUAL.	11	-	-	-	-	3
TOTAL	12	5	43	22	33	2,027
VESSELS, MOTOR.	-	1	4	2	3	337
GROSS TONNAGE	-	51	481	266	412	29,729
BOATS:						
MOTOR	2	-	4	2	3	5
OTHER	5	-	-	-	-	-
GEAR:						
NUMBER.	5	1	4	2	3	342
LENGTH, YARDS	245	30	1,700	850	2,200	-
YARDS AT MOUTH.	-	-	-	-	-	9,277

ITEM	OTTER TRAWLS - CONTINUED		POUND NETS, FISH	FLOATING TRAPS	POTS AND TRAPS	
	LOBSTER	SHRIMP			CONCH	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	152	138	5	3	2	-
ON BOATS AND SHORE:						
REGULAR	-	-	18	12	3	-
CASUAL.	-	-	-	9	5	2
TOTAL	152	138	23	24	10	2
VESSELS, MOTOR.	24	32	1	1	1	-
GROSS TONNAGE	2,627	1,698	-	12	14	-
BOATS:						
MOTOR	-	-	6	8	8	2
OTHER	-	-	6	[illegible]	-	-
GEAR:						
NUMBER.	24	32	20	9	430	50
YARDS AT MOUTH.	682	860	-	-	-	-

ITEM	POTS AND TRAPS - CONTINUED		GILL NETS		LINES	
	EEL	LOBSTER	ANCHOR, SET OR STAKE	DRIFT	HAND	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	57	23	-	4	-
ON BOATS AND SHORE:						
REGULAR	2	567	32	2	113	-
CASUAL.	10	592	9	12	1,528	9
TOTAL	12	1,216	64	14	1,645	9
VESSELS, MOTOR.	-	7	6	-	2	-
GROSS TONNAGE	-	1,010	183	-	37	-
BOATS:						
MOTOR	12	1,007	15	13	991	3
OTHER	-	14	-	-	-	-
GEAR:						
NUMBER.	210	132,303	21	135	1,855	3
SQUARE YARDS.	-	-	128,900	80,040	-	-
HOOKS OR BAITS.	-	-	-	-	3,267	6

ITEM	LINES - CONTINUED	DIP NETS, COMMON	HARPOONS		SPEARS	DREDGES
	LONG OR SET WITH HOOKS		SWORDFISH	OTHER		CLAM
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	36	-	23	-	-	35
ON BOATS AND SHORE:						
REGULAR	136	19	2	2	4	8
CASUAL.	22	107	14	42	29	4
TOTAL	194	126	39	44	33	47
VESSELS, MOTOR.	8	-	6	-	-	17
GROSS TONNAGE	355	-	204	-	-	323
BOATS:						
MOTOR	76	116	6	17	2	-
OTHER	-	-	9	-	-	-
GEAR:						
NUMBER.	84	126	12	17	33	24
YARDS AT MOUTH.	-	-	-	-	-	[illegible]
HOOKS OR BAITS.	230,100	-	-	-	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	DREDGES - CONTINUED				TONGS	
	MUSSEL	OYSTER, COMMON	SCALLOP		OYSTER	OTHER
			BAY	SEA		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	2	-	-	514	-	-
ON BOATS AND SHORE:						
REGULAR	3	1	113	-	6	34
CASUAL.	3	-	1,280	-	14	56
TOTAL	8	1	1,393	514	20	90
VESSELS, MOTOR.	1	-	-	57	-	-
GROSS TONNAGE	6	-	-	5,670	-	-
BOATS:						
MOTOR	3	1	843	-	13	78
OTHER	-	-	-	-	2	-
GEAR:						
NUMBER.	6	1	2,621	99	20	90
YARDS AT MOUTH.	6	1	2,095	398	-	-

ITEM	RAKES		HOES	FORKS	DIVING OUTFITS	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	-	-	-	2,666
ON BOATS AND SHORE:						
REGULAR	5	82	116	-	7	970
CASUAL.	-	1,045	656	45	63	4,392
TOTAL	5	1,127	772	45	70	8,028
VESSELS, MOTOR.	-	-	-	-	-	422
GROSS TONNAGE	-	-	-	-	-	37,254
BOATS:						
MOTOR	3	546	-	2	56	3,016
OTHER	2	12	-	-	-	57
GEAR, NUMBER.	5	1,127	772	45	70	-

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES				PURSE SEINES	
	COMMON		DANISH		HERRING	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	100,000	$2,088	-	-	-	-
FLOUNDERS, YELLOWTAIL . . .	-	-	83,100	$6,349	-	-
HERRING, SEA.	-	-	-	-	5,795,500	$62,406
LAUNCE.	35,000	5,950	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD .	-	-	-	-	868,800	18,489
TOTAL	135,000	8,038	83,100	6,349	6,664,300	80,895

SPECIES	PURSE SEINES - CONTINUED				OTTER TRAWLS	
	MACKEREL		TUNA		FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGLERFISH.	-	-	-	-	156,000	$9,004
BLUEFISH.	-	-	-	-	16,000	1,560
BUTTERFISH.	-	-	-	-	45,200	5,371
COD	-	-	-	-	43,888,400	3,881,805
CUSK.	-	-	-	-	785,000	49,742
FLOUNDERS:						
BLACKBACK	-	-	-	-	15,470,900	2,111,618
DAB	-	-	-	-	5,596,800	674,615
FLUKE	-	-	-	-	69,800	32,090
GRAY SOLE	-	-	-	-	4,750,900	659,047
LEMON SOLE.	-	-	-	-	1,610,900	395,827
YELLOWTAIL.	-	-	-	-	56,160,900	7,571,345
HADDOCK	-	-	-	-	41,868,700	7,132,088
HAKE:						
RED	-	-	-	-	294,000	11,687
WHITE	-	-	-	-	1,750,400	104,713

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	PURSE SEINES - CONTINUED				OTTER TRAWLS	
	MACKEREL		TUNA		FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	-	-	77,600	$35,197
HERRING, SEA	-	-	-	-	3,271,600	66,368
MACKEREL, ATLANTIC	3,212,800	$96,383	-	-	697,300	37,886
OCEAN PERCH	-	-	-	-	5,057,000	213,724
POLLOCK	-	-	-	-	7,540,000	447,495
SCUP OR PORGY	-	-	-	-	149,900	50,212
SEA BASS	-	-	-	-	4,900	2,793
SHAD	-	-	-	-	700	52
SHARK, UNCLASSIFIED	-	-	-	-	400	66
SKATES	-	-	-	-	112,800	5,621
STURGEON, COMMON	-	-	-	-	1,400	223
TAUTOG	-	-	-	-	6,900	304
TILEFISH	-	-	-	-	3,900	331
TUNA, BLUEFIN	-	-	2,464,200	$348,910	600	57
TURBOT	-	-	-	-	200	13
WHITING	-	-	-	-	18,358,900	1,132,185
WOLFFISH	-	-	-	-	497,400	23,690
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	6,036,100	597,689
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	18,760,300	219,108
LOBSTERS, NORTHERN	-	-	-	-	220,500	198,156
SCALLOPS, SEA	-	-	-	-	30,100	34,046
SQUID	-	-	-	-	85,600	6,312
TOTAL	3,212,800	96,383	2,464,200	348,910	233,378,000	25,712,040

SPECIES	OTTER TRAWLS - CONTINUED				POUND NETS, FISH	
	LOBSTER		SHRIMP			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	14,900	$1,917
BONITO	-	-	-	-	3,000	341
BUTTERFISH	1,900	$200	-	-	19,000	3,862
COD	300	19	-	-	303,300	23,856
FLOUNDERS:						
BLACKBACK	1,900	222	-	-	1,400	84
FLUKE	100	15	-	-	2,200	660
GRAY SOLE	4,100	483	-	-	-	-
YELLOWTAIL	10,900	1,442	-	-	-	-
HADDOCK	1,000	118	-	-	-	-
HAKE, WHITE	8,000	479	-	-	-	-
HERRING, SEA	-	-	-	-	775,400	16,662
MACKEREL:						
ATLANTIC	-	-	-	-	1,398,300	91,141
SPANISH	-	-	-	-	100	16
MENHADEN	-	-	-	-	11,500	186
POLLOCK	-	-	-	-	28,600	633
SCUP OR PORGY	-	-	-	-	111,000	24,987
SEA BASS	-	-	-	-	1,100	311
SEA ROBIN	-	-	-	-	600	58
SHAD	-	-	-	-	4,400	331
SHARK, UNCLASSIFIED	-	-	-	-	100	3
STRIPED BASS	-	-	-	-	29,100	7,293
TAUTOG	-	-	-	-	7,700	387
TILEFISH	600	54	-	-	-	-
TUNA, BLUEFIN	300	15	-	-	64,400	10,417
WOLFFISH	2,400	103	-	-	-	-
UNCLASSIFIED, FOR FOOD	100	9	-	-	-	-
LOBSTERS, NORTHERN	1,249,000	1,101,526	-	-	-	-
SHRIMP	-	-	3,909,000	$418,560	-	-
SQUID	-	-	-	-	450,800	52,820
TOTAL	1,280,600	1,104,685	3,909,000	418,560	3,226,900	235,965

SPECIES	FLOATING TRAPS		POTS AND TRAPS			
			CONCH		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUTTERFISH	200	$22	-	-	-	-
COD	2,700	270	-	-	-	-
HERRING, SEA	39,200	892	-	-	-	-
MACKEREL, ATLANTIC	1,565,100	89,202	-	-	-	-
POLLOCK	2,200	97	-	-	-	-
STRIPED BASS	9,500	3,097	-	-	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	FLOATING TRAPS		POTS AND TRAPS			
			CONCH		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNCLASSIFIED:						
FOR FOOD.	4,600	$438	-	-	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD.	5,000	150	-	-	-	-
CRABS, GREEN.	-	-	-	-	4,500	$675
CONCHS.	-	-	30,800	$10,425	-	-
SQUID	300	30	-	-	-	-
TOTAL	1,628,800	94,198	30,800	10,425	4,500	675

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	EEL		LOBSTER		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGLERFISH.	-	-	-	-	900	$36
COD	-	-	-	-	908,100	79,820
CUSK.	-	-	-	-	4,300	205
EEL, COMMON	18,000	$4,465	-	-	-	-
FLOUNDERS:						
BLACKBACK	-	-	-	-	87,000	9,654
DAB	-	-	-	-	93,400	6,919
HADDOCK	-	-	-	-	157,300	23,652
HAKE, WHITE	-	-	-	-	18,100	925
HALIBUT	-	-	-	-	1,200	567
POLLOCK	-	-	-	-	36,700	2,199
SHARK, UNCLASSIFIED	-	-	-	-	200	10
SKATES.	-	-	-	-	1,000	43
STURGEON, COMMON.	-	-	-	-	600	57
UNCLASSIFIED, FOR FOOD. . .	-	-	-	-	1,457,100	128,147
LOBSTERS, NORTHERN.	-	-	3,454,900	$3,400,653	-	-
CONCHS.	-	-	18,000	3,600	-	-
TOTAL	18,000	4,465	3,472,900	3,404,253	2,765,900	252,234

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT		HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	-	-	118,400	$20,363	-	-
COD	500	$54	873,100	51,057	-	-
CUSK.	-	-	100	1	-	-
EEL, COMMON	-	-	4,600	822	-	-
FLOUNDERS:						
BLACKBACK	-	-	3,600	415	-	-
FLUKE	-	-	5,000	2,050	-	-
GRAY SOLE	-	-	500	55	-	-
HADDOCK	-	-	27,100	3,979	-	-
HAKE:						
RED	-	-	100	1	-	-
WHITE	-	-	2,300	77	-	-
HALIBUT	-	-	3,200	2,623	-	-
MACKEREL, ATLANTIC.	62,200	12,945	20,200	1,668	-	-
OCEAN PERCH	-	-	100	14	-	-
POLLOCK	-	-	72,400	3,873	-	-
SCUP OR PORGY	-	-	13,100	5,545	-	-
SEA BASS.	-	-	1,100	292	-	-
SHARK, UNCLASSIFIED	400	17	-	-	-	-
SMELT	-	-	6,000	2,700	-	-
STRIPED BASS.	-	-	995,500	233,391	-	-
TAUTOG.	-	-	3,200	304	-	-
TUNA, BLUEFIN	-	-	53,500	5,447	4,500	$450
WHITE PERCH	-	-	1,000	201	-	-
WOLFFISH.	-	-	300	8	-	-
UNCLASSIFIED, FOR FOOD. . .	-	-	29,300	3,533	-	-
TOTAL	63,100	13,016	2,233,700	338,419	4,500	450

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		HARPOONS	
	LONG OR SET WITH HOOKS				SWORDFISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	800	$131	-	-	-	-
BONITO.	300	51	-	-	-	-
COD	3,242,900	220,501	-	-	-	-
CUSK.	143,300	7,723	-	-	-	-

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		HARPOONS	
	LONG OR SET WITH HOOKS				SWORDFISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	2,300	$385	-	-	-	-
FLOUNDERS:						
BLACKBACK	38,400	6,355	-	-	-	-
DAB	1,000	188	-	-	-	-
HADDOCK	2,362,100	400,435	-	-	-	-
HAKE:						
RED	3,200	286	-	-	-	-
WHITE	98,400	4,660	-	-	-	-
HALIBUT	76,300	48,404	-	-	-	-
OCEAN PERCH	200	34	-	-	-	-
POLLOCK	116,500	6,030	-	-	-	-
STRIPED BASS.	3,500	962	-	-	-	-
SWORDFISH	43,000	9,476	-	-	165,200	$98,421
TUNA:						
BLUEFIN	500	60	-	-	16,000	2,139
UNCLASSIFIED.	1,100	114	-	-	-	-
WHITING	100	2	-	-	-	-
WOLFFISH.	7,400	271	-	-	-	-
UNCLASSIFIED, FOR FOOD. . .	155,900	13,570	-	-	-	-
SCALLOPS, BAY	-	-	27,900	$43,587	-	-
TOTAL	6,297,200	719,938	27,900	43,587	181,200	100,560

SPECIES	HARPOONS - CONTINUED		SPEARS		DREDGES	
	OTHER				CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	-	-	24,000	$5,980	-	-
TUNA, BLUEFIN	32,100	$3,210	-	-	-	-
CLAMS:						
HARD, PUBLIC.	-	-	-	-	388,600	$148,662
OCEAN QUAHOG.	-	-	-	-	82,200	17,175
SURF.	-	-	-	-	11,700	2,658
CONCHS.	-	-	-	-	23,000	4,602
TOTAL	32,100	3,210	24,000	5,980	505,500	173,097

SPECIES	DREDGES - CONTINUED					
	MUSSEL		OYSTER, COMMON		SCALLOP	
					BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MUSSELS, SEA.	50,000	$10,000	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING.	-	-	300	$1,000	-	-
FALL.	-	-	1,000	3,000	-	-
SCALLOPS, BAY	-	-	-	-	1,124,900	$1,520,640
TOTAL	50,000	10,000	1,300	4,000	1,124,900	1,520,640

SPECIES	DREDGES - CONTINUED		TONGS			
	SCALLOP - CONTINUED		OYSTER		OTHER	
	SEA					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGLERFISH.	2,600	$160	-	-	-	-
COD	700	42	-	-	-	-
FLOUNDERS:						
BLACKBACK	13,300	1,861	-	-	-	-
DAB	100	8	-	-	-	-
FLUKE	700	164	-	-	-	-
GRAY SOLE	600	64	-	-	-	-
LEMON SOLE.	1,400	331	-	-	-	-
YELLOWTAIL.	27,400	2,256	-	-	-	-
HADDOCK	4,900	615	-	-	-	-
CLAMS, HARD:						
PUBLIC.	-	-	-	-	77,500	$71,350
PRIVATE	-	-	-	-	49,500	65,025
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	-	-	1,100	$765	-	-
FALL.	-	-	100	165	-	-
PRIVATE:						
SPRING.	-	-	19,400	42,900	-	-
FALL.	-	-	35,500	90,160	-	-
SCALLOPS, SEA	4,906,400	5,423,972	-	-	-	-
TOTAL	4,958,100	5,429,473	56,100	134,010	127,000	136,375

(CONTINUED ON NEXT PAGE)

MASSACHUSETTS - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	RAKES				HOES	
	OYSTER		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:						
HARD:						
PUBLIC	-	-	619,000	$682,747	-	-
PRIVATE	-	-	24,200	18,700	-	-
RAZOR	-	-	-	-	2,200	$1,865
SOFT, PUBLIC	-	-	39,600	36,304	1,129,400	833,952
SURF	-	-	1,200	440	200	48
MUSSELS, SEA	-	-	16,000	3,300	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	200	$375	-	-	-	-
FALL	200	390	-	-	-	-
PRIVATE:						
SPRING	600	1,500	-	-	-	-
FALL	1,300	3,600	-	-	-	-
SCALLOPS, BAY	-	-	19,400	28,130	-	-
IRISH MOSS	-	-	1,680,000	50,400	-	-
BLOODWORMS	-	-	-	-	500	700
SANDWORMS	-	-	-	-	98,600	129,765
TOTAL	2,300	5,865	2,399,400	820,021	1,230,900	966,330

SPECIES	FORKS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE
LOBSTERS, NORTHERN	-	-	40,400	$40,814
CLAMS, SOFT, PUBLIC	8,300	$7,680	-	-
MUSSELS, SEA	20,000	4,000	-	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING	1,400	4,400	-	-
FALL	2,300	7,000	-	-
PRIVATE:				
SPRING	600	2,000	-	-
FALL	1,300	4,000	-	-
TOTAL	33,900	29,080	40,400	40,814

RHODE ISLAND

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES		OTTER TRAWLS		POUND NETS, FISH	FLOATING TRAPS
	COMMON	DANISH	FISH	LOBSTER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	4	244	198		111
ON BOATS AND SHORE:						
REGULAR	12	-	2	-	1	-
CASUAL	7	-	8	-	1	-
TOTAL	19	4	254	198	2	111
VESSELS, MOTOR	-	1	70	41	-	8
GROSS TONNAGE	-	51	3,146	3,309	-	202
BOATS:						
MOTOR	8	-	5	-	1	-
OTHER	2	-	-	-	-	21
GEAR:						
NUMBER	9	1	75	41	1	23
LENGTH, YARDS	776	30	-	-	-	-
YARDS AT MOUTH	-	-	1,927	1,215	-	-

(CONTINUED ON NEXT PAGE)

RHODE ISLAND - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	POTS AND TRAPS				LINES		
	CONCH	CRAB	EEL	LOBSTER	HAND	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	6	-	-	6	6	2	7
ON BOATS AND SHORE:							
REGULAR	13	1	7	123	22	6	2
CASUAL.	2	-	1	99	270	29	-
TOTAL	21	1	8	228	298	37	9
VESSELS, MOTOR.	3	-	-	3	3	1	1
GROSS TONNAGE	34	-	-	34	43	20	170
BOATS, MOTOR.	15	1	8	185	73	28	1
GEAR:							
NUMBER.	1,060	140	355	22,480	308	37	2
HOOKS OR BAITS.	-	-	-	-	542	37	2,080

ITEM	HARPOONS, SWORDFISH	DREDGES		TONGS	RAKES	HOES	TOTAL, EXCLUSIVE OF DUPLICATION
		CLAM	SCALLOP, SEA				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	13	29	13	-	-	-	544
ON BOATS AND SHORE:							
REGULAR	-	26	2	195	48	4	328
CASUAL.	-	2	-	443	110	35	893
TOTAL	13	57	15	638	158	39	1,765
VESSELS, MOTOR.	3	12	3	-	-	-	125
GROSS TONNAGE	150	229	188	-	-	-	6,263
BOATS:							
MOTOR	-	14	2	638	158	3	938
OTHER	2	-	-	-	-	-	25
GEAR:							
NUMBER.	3	26	6	638	158	39	-
YARDS AT MOUTH.	-	26	23	-	-	-	-

RHODE ISLAND - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES				OTTER TRAWLS	
	COMMON		DANISH		FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	196,000	$4,200	-	-	-	-
ANCHOVIES	-	-	-	-	300	$24
ANGLERFISH.	-	-	-	-	2,600	106
BLUEFISH.	-	-	-	-	35,400	4,080
BONITO.	-	-	-	-	100	8
BUTTERFISH.	-	-	-	-	1,094,500	174,346
COD	-	-	500	$43	2,172,200	170,863
CREVALLE.	-	-	-	-	100	4
CUSK.		-	-	-	5,500	190
EELS:						
COMMON.	-	-	-	-	500	79
CONGER.	-	-	-	-	5,900	807
FLOUNDERS:						
BLACKBACK	-	-	800	51	4,293,700	437,273
DAB	-	-	-	-	245,000	35,186
FLUKE	-	-	100	64	245,600	120,444
GRAY SOLE	-	-	-	-	370,600	48,030
LEMON SOLE.	-	-	-	-	114,800	35,646
YELLOWTAIL.	-	-	79,800	3,786	8,294,800	950,313
HADDOCK	-	-	-	-	396,200	60,890
HAKE:						
RED	-	-	-	-	586,800	20,718
WHITE	-	-	-	-	93,700	4,636
HALIBUT	-	-	-	-	1,400	601
HERRING, SEA.	-	-	-	-	4,452,600	66,629
KING WHITING OR "KINGFISH".	-	-	-	-	500	63

(CONTINUED ON NEXT PAGE)

RHODE ISLAND - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	HAUL SEINES				OTTER TRAWLS	
	COMMON		DANISH		FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MACKEREL, ATLANTIC	-	-	-	-	109,600	$8,978
MENHADEN	-	-	-	-	400	13
OCEAN PERCH	-	-	-	-	3,000	152
OCEAN POUT	-	-	-	-	600	12
POLLOCK	-	-	-	-	25,900	1,194
SCUP OR PORGY	-	-	-	-	840,000	225,707
SEA BASS	-	-	-	-	17,200	7,287
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	12,400	2,269
SHAD	-	-	-	-	3,500	116
SHARKS, UNCLASSIFIED	-	-	-	-	1,000	47
SMELT	1,700	$420	-	-	1,300	218
STRIPED BASS	4,000	1,000	-	-	8,500	2,494
STURGEON, COMMON	-	-	-	-	2,700	189
TAUTOG	-	-	-	-	21,600	802
TILEFISH	-	-	-	-	28,900	5,694
WHITE PERCH	18,800	3,020	-	-	-	-
WHITING	-	-	-	-	2,808,500	201,570
WOLFFISH	-	-	-	-	100	5
UNCLASSIFIED:						
FOR FOOD	100	6	100	$28	39,200	3,397
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	51,259,100	411,932
LOBSTERS, NORTHERN	-	-	-	-	31,200	27,657
SCALLOPS, SEA	-	-	-	-	1,500	1,784
SQUID	-	-	-	-	952,400	92,784
TOTAL	220,600	8,646	81,300	3,972	78,581,400	3,125,237

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS, FISH		FLOATING TRAPS	
	LOBSTER					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	14,000	$300	4,900	$89
AMBERJACK	-	-	-	-	3,100	217
ANCHOVIES	-	-	-	-	6,200	667
BILLFISH	-	-	-	-	100	29
BLUEFISH	-	-	-	-	61,400	8,834
BONITO	-	-	-	-	180,700	21,300
BUTTERFISH	-	-	-	-	47,900	16,503
COD	-	-	-	-	191,800	29,027
CREVALLE	-	-	-	-	15,800	1,015
DOLPHIN	-	-	-	-	200	22
EELS, CONGER	-	-	-	-	400	64
FLOUNDERS:						
BLACKBACK	-	-	-	-	500	44
FLUKE	-	-	-	-	20,600	10,455
FRIGATE MACKEREL	-	-	-	-	7,900	943
HAKE, RED	-	-	-	-	7,000	316
HERRING, SEA	-	-	-	-	53,900	4,028
KING WHITING OR "KINGFISH"	-	-	-	-	300	46
MACKEREL, ATLANTIC	-	-	-	-	514,600	51,602
MENHADEN	-	-	-	-	21,000	631
MULLET, BLACK (LISA)	-	-	-	-	11,500	1,666
POLLOCK	-	-	-	-	29,600	1,467
SCUP OR PORGY	-	-	-	-	1,241,100	263,857
SEA BASS	-	-	-	-	15,600	6,556
SEA ROBIN	-	-	-	-	71,700	1,115
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	1,100	215
SHAD	-	-	-	-	2,200	208
SHARKS:						
GRAYFISH	-	-	-	-	100	10
UNCLASSIFIED	-	-	-	-	1,200	93
SKATES	-	-	-	-	2,000	123
STRIPED BASS	-	-	-	-	45,100	14,454
STURGEON, COMMON	-	-	-	-	500	57
TAUTOG	-	-	-	-	29,300	1,932
THIMBLE-EYED MACKEREL	-	-	-	-	900	103
TUNA, BLUEFIN	-	-	-	-	19,100	3,862
WHITE PERCH	-	-	4,000	800	-	-
WHITING	-	-	-	-	27,600	2,344
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	900	78
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	67,800	859
LOBSTERS, NORTHERN	3,323,300	$2,967,819	-	-	-	-
SQUID	-	-	-	-	170,600	23,653
TOTAL	3,323,300	2,967,819	18,000	1,100	2,876,200	468,484

(CONTINUED ON NEXT PAGE)

RHODE ISLAND - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS AND TRAPS					
	CONCH		CRAB		EEL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	-	-	-	-	45,900	$11,720
CRABS, GREEN	-	-	8,400	$1,260	-	-
CONCHS	169,100	$56,354	-	-	-	-
TOTAL	169,100	56,354	8,400	1,260	45,900	11,720

SPECIES	POTS AND TRAPS - CONTINUED		LINES			
	LOBSTER		HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	25,600	$4,546	1,200	$266
COD	-	-	83,600	6,703	-	-
EEL, CONGER	-	-	4,300	678	-	-
FLOUNDERS:						
BLACKBACK	-	-	5,200	413	-	-
FLUKE	-	-	500	253	-	-
MACKEREL, ATLANTIC	-	-	400	46	-	-
SCUP OR PORGY	-	-	200	28	-	-
SEA BASS	-	-	1,200	807	-	-
STRIPED BASS	-	-	68,600	16,007	6,200	1,277
TAUTOG	-	-	4,800	484	-	-
TUNA, BLUEFIN	-	-	-	-	12,100	1,553
UNCLASSIFIED, FOR FOOD	-	-	100	4	-	-
CRABS, ROCK	297,000	$37,000	-	-	-	-
LOBSTERS, NORTHERN	891,700	792,009	-	-	-	-
CONCHS	1,400	343	-	-	-	-
TOTAL	1,190,100	829,352	194,500	29,969	19,500	3,096

SPECIES	LINES - CONTINUED		HARPOONS, SWORDFISH		DREDGES	
	LONG OR SET WITH HOOKS				CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	23,500	$2,178	-	-	-	-
SWORDFISH	12,800	5,423	4,700	$2,718	-	-
TUNA, BLUEFIN	-	-	3,600	397	-	-
CLAMS:						
HARD, PUBLIC	-	-	-	-	186,900	$73,286
OCEAN QUAHOG	-	-	-	-	471,900	68,941
CONCHS	-	-	-	-	1,300	409
TOTAL	36,300	7,601	8,300	3,115	660,100	142,636

SPECIES	DREDGES - CONTINUED		TONGS		RAKES		HOES	
	SCALLOP, SEA							
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDER, YELLOWTAIL	100	$8	-	-	-	-	-	-
CLAMS:								
HARD, PUBLIC	-	-	835,700	$544,216	208,900	$136,055	-	-
SOFT, PUBLIC	-	-	2,000	1,291	-	-	16,400	$10,349
SCALLOPS, SEA	17,600	21,287	-	-	-	-	-	-
TOTAL	17,700	21,295	837,700	545,507	208,900	136,055	16,400	10,349

NEW ENGLAND FISHERIES

CONNECTICUT

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		FYKE AND HOOP NETS, FISH	POTS AND TRAPS		
		FISH	LOBSTER		CONCH	CRAB	EEL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	43	12	-	5	-	2
ON BOATS AND SHORE:							
REGULAR	8	23	-	-	15	2	3
CASUAL	5	44	-	1	10	1	24
TOTAL	13	110	12	1	30	3	29
VESSELS, MOTOR	-	17	3	-	3	-	1
GROSS TONNAGE	-	530	183	-	28	-	11
BOATS:							
MOTOR	6	48	-	1	17	2	24
OTHER	1	-	-	-	-	-	1
GEAR:							
NUMBER	7	65	3	3	750	50	377
LENGTH, YARDS	287	-	-	-	-	-	-
YARDS AT MOUTH	-	1,032	81	-	-	-	-

ITEM	POTS AND TRAPS - CONTINUED	GILL NETS			LINES		DIP NETS, COMMON
	LOBSTER	ANCHOR, SET OR STAKE	DRIFT		HAND	TROLL	
			SHAD	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	16	-	3	2	2	-	-
ON BOATS AND SHORE:							
REGULAR	88	-	11	1	7	-	1
CASUAL	341	5	63	7	67	2	5
TOTAL	445	5	77	10	76	2	6
VESSELS, MOTOR	9	-	1	1	1	-	-
GROSS TONNAGE	81	-	11	13	11	-	-
BOATS:							
MOTOR	364	-	32	7	58	1	-
OTHER	-	2	2	-	-	-	-
GEAR:							
NUMBER	20,704	2	33	8	76	2	6
SQUARE YARDS	-	418	61,822	6,706	-	-	-
HOOKS OR BAITS	-	-	-	-	78	2	-

ITEM	DREDGES		TONGS		HOES	TOTAL, EXCLUSIVE OF DUPLICATION
	CLAM	OYSTER, COMMON	OYSTER	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	24	23	-	-	-	114
ON BOATS AND SHORE:						
REGULAR	-	-	2	-	-	99
CASUAL	-	-	-	11	2	449
TOTAL	24	23	2	11	2	662
VESSELS, MOTOR	8	9	-	-	-	44
GROSS TONNAGE	246	189	-	-	-	1,189
BOATS:						
MOTOR	-	-	2	11	-	428
OTHER	-	-	-	-	-	5
GEAR:						
NUMBER	8	17	2	11	2	-
YARDS AT MOUTH	8	24	-	-	-	-

CONNECTICUT - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS			
			FISH		LOBSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	6,900	$199	1,000	$25	-	-
BLUEFISH	-	-	9,400	1,207	-	-
BUTTERFISH	-	-	68,100	10,784	-	-
COD	-	-	421,800	33,419	-	-
FLOUNDERS:						
BLACKBACK	300	30	926,800	93,081	-	-
FLUKE	100	50	22,500	10,744	-	-
YELLOWTAIL	-	-	66,000	7,602	-	-
HAKE, WHITE	-	-	1,800	89	-	-
KING WHITING OR "KINGFISH"	-	-	100	21	-	-
MACKEREL, ATLANTIC	-	-	600	80	-	-
SCUP OR PORGY	-	-	134,700	36,001	-	-
SEA BASS	-	-	200	50	-	-
SEA ROBIN	-	-	600	17	-	-
SHARKS:						
GRAYFISH	-	-	2,600	57	-	-
UNCLASSIFIED	-	-	200	5	-	-
SKATES	-	-	16,900	528	-	-
SMELT	500	100	-	-	-	-
STURGEON, COMMON	-	-	200	35	-	-
TAUTOG	100	13	2,400	203	-	-
WHITE PERCH	-	-	10,000	1,500	-	-
WHITING	-	-	194,000	13,761	-	-
WOLFFISH	-	-	300	8	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	48,100	5,676	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	10,200	506	1,386,200	35,420	-	-
HORSESHOE CRAB	-	-	10,600	1,167	-	-
LOBSTERS, NORTHERN	-	-	2,700	2,465	125,800	$112,372
CONCHS	-	-	1,700	326	-	-
SQUID	-	-	268,700	26,511	-	-
TOTAL	18,100	898	3,598,200	280,782	125,800	112,372

SPECIES	FYKE AND HOOP NETS, FISH		POTS AND TRAPS			
			CONCH		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	1,600	$352	-	-	-	-
EEL, COMMON	600	108	-	-	-	-
WHITE PERCH	1,300	325	-	-	-	-
CRABS, GREEN	-	-	-	-	4,300	$448
CONCHS	-	-	77,000	$16,266	-	-
TOTAL	3,500	785	77,000	16,266	4,300	448

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	EEL		LOBSTER		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	16,800	$2,786	-	-	-	-
SHAD	-	-	-	-	500	$144
LOBSTERS, NORTHERN	-	-	804,300	$830,336	-	-
CONCHS	-	-	14,200	2,498	-	-
TOTAL	16,800	2,786	818,500	832,834	500	144

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT				HAND	
	SHAD		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	600	$18	-	-
BLUEFISH	-	-	5,300	1,012	68,600	$11,813
COD	-	-	-	-	5,700	519
EEL, COMMON	-	-	-	-	100	17
FLOUNDERS:						
BLACKBACK	-	-	-	-	3,600	468
FLUKE	-	-	-	-	500	203
MACKEREL, ATLANTIC	-	-	500	90	11,800	1,357
MENHADEN	-	-	12,800	410	-	-

(CONTINUED ON NEXT PAGE)

CONNECTICUT - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT				HAND	
	SHAD		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SCUP OR PORGY	-	-	-	-	300	$56
SEA BASS	-	-	-	-	100	36
SEA ROBIN	-	-	-	-	200	7
SHAD	189,300	$59,250	-	-	100	20
SHARKS:						
GRAYFISH	-	-	1,500	$30	700	15
UNCLASSIFIED	-	-	100	2	400	17
SKATES	-	-	-	-	700	15
TAUTOG	-	-	-	-	3,500	341
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	32,100	7,559
FOR BAIT, REDUCTION AND ANIMAL FOOD	-	-	800	17	2,700	64
TOTAL	189,300	59,250	21,600	1,579	131,100	22,507

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		DREDGES	
	TROLL				CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,100	$62	-	-
SWORDFISH	1,000	$750	-	-	-	-
CLAMS:						
HARD:						
PUBLIC	-	-	-	-	22,400	$7,480
PRIVATE	-	-	-	-	279,100	115,586
OCEAN QUAHOG	-	-	-	-	85,300	12,798
TOTAL	1,000	750	2,100	62	386,800	135,864

SPECIES	DREDGES - CONTINUED		TONGS				HOES	
	OYSTER, COMMON		OYSTER		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:								
HARD, PUBLIC	-	-	-	-	1,700	$863		
SOFT, PUBLIC	-	-	-	-	-	-	100	$80
OYSTERS, MARKET:								
PUBLIC, FALL	-	-	400	$505	-	-	-	-
PRIVATE:								
SPRING	38,700	$87,339	-	-	-	-	-	-
FALL	46,800	107,858	-	-	-	-	-	-
TOTAL	85,500	195,197	400	505	1,700	863	100	80

SECTION 3 - MIDDLE ATLANTIC FISHERIES

Commercial landings of fish and shellfish in the Middle Atlantic States (New York, New Jersey, and Delaware) were 137.9 million pounds worth $25.5 million--a decline of 48.7 million pounds but an increase of $375,000 compared with 1968. A sharp decrease in menhaden landings and smaller catches of flounders, scup, whiting, sea scallops, and miscellaneous species used for animal food and for reduction into meal and oil accounted largely for the volume decline. Catches of such high-priced fish and shellfish as bluefish, butterfish, gray sea trout, crabs, lobsters, and surf clams improved substantially during 1969 and contributed to the gain in value.

New Jersey led in volume with 92.9 million pounds (67 percent), New York had 41.4 million (30 percent), and Delaware had 3.6 million pounds (3 percent). New York led in value with $14.0 million (55 percent), New Jersey had $11.0 million (43 percent), and Delaware had $519,000 (2 percent).

Fishermen and vessels. The Middle Atlantic States had 8,504 fishermen--236 less than in 1968. Fewer fishermen operated in New York and New Jersey. Commercial fishing craft consisted of 498 vessels of 5 net tons or more, 3,650 motor boats, and 225 other boats. Compared with 1968, this was a decline of 48 vessels, 994 motor boats, and 61 other boats.

Three New Jersey surf clam vessels sank during the year, and two lives were lost. The disasters were apparently caused by cargoes shifting in rough seas.

Weather. Severe winter weather caused small landings and hampered fishermen generally in the early months of 1969. The inshore fishermen contended with frozen bays and inlets; the offshore fleet was harassed by high winds and stormy weather.

Menhaden. Landings of 43.8 million pounds were 42.5 million (49 percent) less than in 1968, and the second smallest harvest since 1932. The catch continued the downward trend that began less than 10 years ago. Only two reduction plants for processing the fish into meal and oil operated in 1969 (one less than in 1968)--and one of these was closed down at the end of August. In 1969 the menhaden plants did not accept miscellaneous fish for industrial uses as they had in 1968.

Flounders. The catch was 8.7 million pounds worth $1.2 million--a decline of 2.6 million pounds and $437,000 compared with 1968. Landings of 5.1 million pounds of yellowtail flounders accounted for 59 percent of the total flounder catch. The yellowtail catch in New York (4.7 million pounds) was 16 percent less than in 1968, but in New Jersey, where fish previously thought too small to market were being accepted by the trade, the catch more than tripled. Despite the increased New Jersey landings, New York accounted for 92 percent of the total yellowtail flounder harvest. Fluke landings (1.8 million pounds) declined 45 percent and blackback flounder landings (1.7 million pounds) declined 24 percent compared with 1968.

Whiting. Landings of 6.0 million pounds worth $483,000 declined 19 percent in volume but increased 6 percent in value compared with 1968. Most of the volume decline was in the New York catch of 2.1 million pounds--1.2 million less than in 1968. New Jersey landings of 3.8 million pounds declined only 219,000 pounds compared with the previous year. This was a fortunate circumstance for the small inshore otter trawlers who depend on the whiting fishery as their mainstay during the winter and early spring. In 1969, the average price paid for whiting was slightly more than 8 cents per pound--an increase of 2 cents compared with 1968.

Scup. Landings were 5.3 million pounds--a decline of 16 percent compared with 1968, and the smallest catch since 1926. Since the record harvest of 1960, the catch has trended downward. Before 1963, the commercial area off Sandy Hook, N.J., could produce from 3 to 5 million pounds of scup annually, but since that time the catch from that area has declined to a low of only 6,000 pounds in 1969. The value of the catch ($942,000) declined 25 percent compared with 1968. The value was low because the fish were small--especially those landed at New Jersey ports during most of the year.

MIDDLE ATLANTIC FISHERIES

Sea trout. Landings of 2.0 million pounds worth $142,000 increased 234 percent in volume and 255 percent in value compared with 1968. New Jersey had 93 percent of the catch and 84 percent of the value in 1969. The spectacular gain was the result of greater fishing effort during an extended season--from June to November. During the summer, inshore otter trawlers fishing for flounders began to take other species, principally sea trout, because fluke were scarce.

Bluefish. The catch of 1.8 million pounds was 34 percent more than in 1968. New York landings were the greatest since 1933 and almost twice the 1968 production. An increase in gill netting (especially in Long Island Sound) accounted largely for the improved harvest. The sports fishermen regarded the commercial gill net fishery unfavorably, however, and a considerable controversy developed. The conflict was resolved in favor of the sports fishermen when the State Legislature passed a law prohibiting gill netting in Long Island Sound.

Striped bass. The catch was 1.9 million pounds worth $453,000--a decline of 8 percent in volume and 7 percent in value compared with the record catch and value of 1968. New York landings of 1.5 million pounds were much the same as in 1968, but the New Jersey catch declined 32 percent. As in the bluefish fishery, gill netting increased in New York, was disliked by sports fishermen, and was subsequently banned by law in Long Island Sound.

Sea bass. Landings of 461,000 pounds were 24 percent less than in 1968, and the smallest catch on record. Since 1952, when a record harvest of 10.9 million pounds was taken, the fishery has been trending downward. Sea bass pot fishermen have necessarily changed to other fisheries. Most of them have either altered the sea bass pots in order to capture lobsters or have changed entirely to pots designed especially for lobster fishing.

Surf clams. Landings of 42.2 million pounds of surf clam meats worth a record $5.0 million were 7.0 million pounds and $1.4 million more than in 1968. Prices during the year ranged from $1.40 to $2.40 per bushel according to size of the clams and to the requirements of contracts between various processing plants and vessels. In 1969, the average price was 12 cents per pound--compared with 10 cents in 1968.

In New Jersey, where 85 percent of the catch was landed, a harvest of 5.2 million pounds taken in March set a record for monthly production. The record catch was taken from virgin grounds found on the Delaware side of Delaware Bay. Dredging in this area soon stopped, however, because it was too close to shore and prohibited by State law.

Hard clams. Landings of 9.9 million pounds of hard clam meats worth a record $9.5 million increased 1 percent in volume and 10 percent in value compared with 1968. The New York catch (7.5 million pounds) was 8 percent greater than in 1968 and accounted for 76 percent of the total harvest. A shellfish cooperative formed in New York in 1968 to handle production from the Great South Bay continued to operate in 1969. In New Jersey, however, the catch of 2.3 million pounds declined 11 percent compared with 1968 and was only 23 percent of the total landings. A decline in the number of casual fishermen and the lack of any new clamming areas were the principal reasons for the smaller New Jersey landings. Delaware accounted for the rest of the hard clam production.

Lobsters. Record landings of northern lobsters were 2.8 million pounds worth a record $2.7 million--a gain of 20 percent in volume and 24 percent in value compared with the record harvest of 1968. The catch was about equally divided between New York and New Jersey. The increase resulted largely from the intensive effort of the pot fishermen. In New Jersey, where otter trawlers usually account for most of the lobster catch, pot fishermen increased their share of the landings in 1969--continuing the trend away from sea bass pots to lobster pots. Otter trawl landings increased slightly in New Jersey but in New York they were about the same as in 1968.

MIDDLE ATLANTIC FISHERIES

Oysters. Landings of 1.3 million pounds of oyster meats worth $1.3 million was a decline of $216,000 pounds and $143,000 compared with 1968. About 80 percent of the landings were in New Jersey, 16 percent in New York, and 4 percent in Delaware. New Jersey oyster planters and dealers had a difficult year because unseasonably warm weather during the early fall resulted in a slow market and unsettled prices. Unfortunately, by the time the market had improved, most of the marketable oysters had already been harvested.

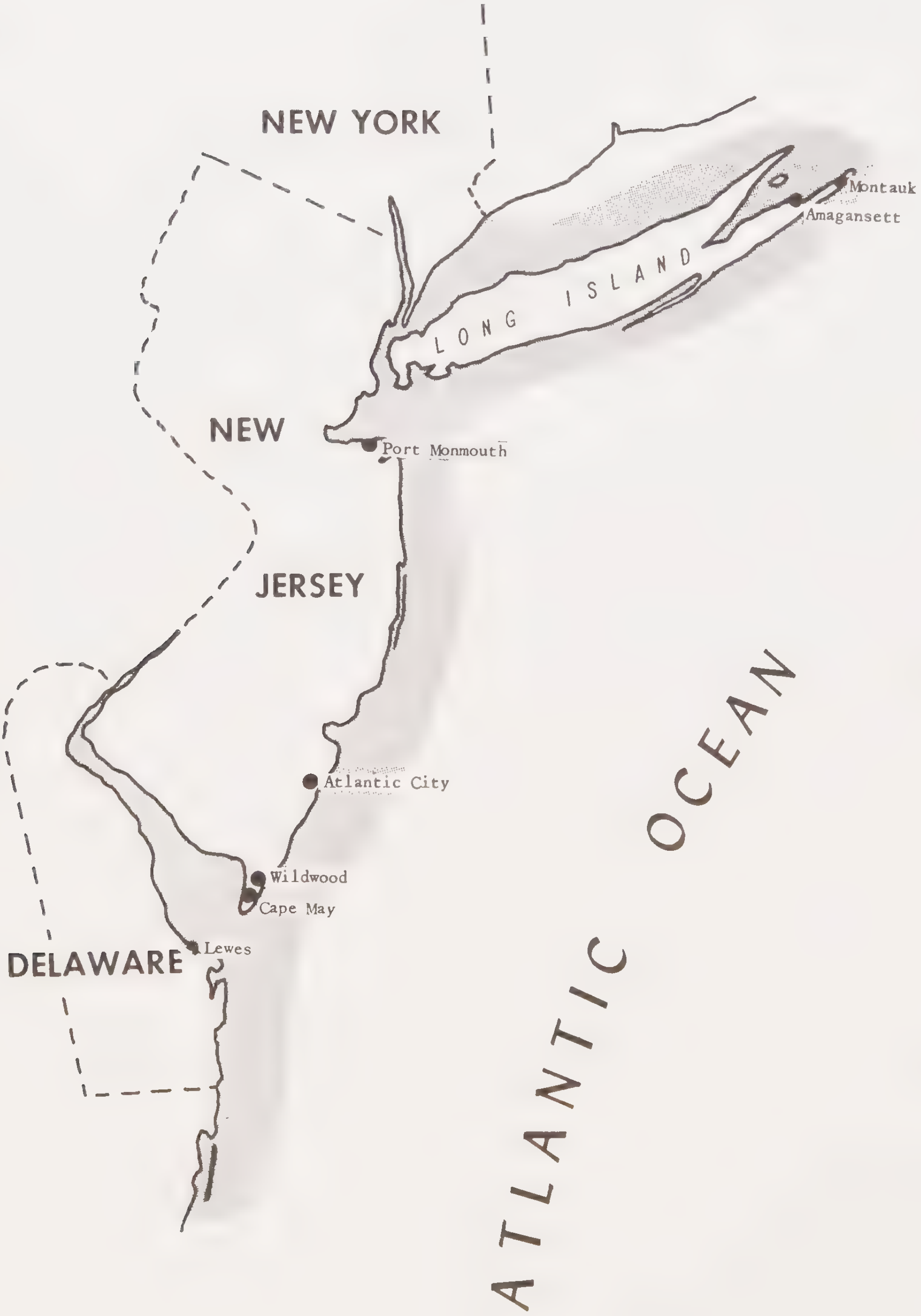
Hard blue crabs. The catch was 1.1 million pounds worth $145,000--a gain of 216 percent in volume and 134 percent in value compared with 1968. A sharp increase in both New Jersey and Delaware landings resulted in the best production since 1965. (As in the past several years, no commercial catch was reported in New York.) The crabs, of good size and quality, should have brought excellent prices, but during August and September (the best producing months) prices declined because a large volume of crabs entered the market from Maryland and Virginia. The average price of hard blue crabs in 1969 was 12.8 cents per pound--compared with 17.3 cents in 1968.

Sea scallops. Landings of 912,000 pounds of sea scallop meats were less than one-half the quantity taken in 1968. The value ($982,000) declined 55 percent. Despite the sharp decrease in landings, the average price per pound in 1969 was $1.08--3 cents less than in 1968. The decline in the sea scallop fishery has followed the intensive overfishing of recent years when scallopers from as far away as New Bedford, Mass., and Nova Scotia, Canada, fished the Middle Atlantic grounds.

Other information. Seasonal variations in the catch of fish and shellfish in New York and New Jersey can be ascertained from the monthly and annual landing bulletins published in the Current Fishery Statistics Series by the Statistics and Market News Division in cooperation with the respective States. Information on daily, monthly, and annual production of fishery products in selected areas of these States is available in reports published by the BCF's Fishery Market News Service in New York City.

Acknowledgments. The following organizations helped collect the data appearing in this section: New York Conservation Department, Marine Fisheries Division and Division of Fish and Game; New Jersey Conservation Department, Division of Fish and Game and New Jersey Shellfish Commission; State of Delaware, Commission of Shellfisheries.

MIDDLE ATLANTIC FISHERIES


NEW YORK
LONG ISLAND
Montauk
Amagansett
NEW JERSEY
Port Monmouth
Atlantic City
Wildwood
Cape May
Lewes
DELAWARE
ATLANTIC OCEAN

MIDDLE ATLANTIC STATES

MIDDLE ATLANTIC FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW YORK	26	2	15	12	41	14
NEW JERSEY	50	3	43	8	93	11
DELAWARE	(1)	(1)	3	(1)	4	1
TOTAL	77	5	61	20	138	26

1/ LESS THAN 500,000 POUNDS OR $500,000.

NOTE:--TABLE MAY NOT ADD DUE TO ROUNDING.

SUMMARY OF OPERATING UNITS, 1969

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	688	1,601	39	2,129
ON BOATS AND SHORE:				
REGULAR	1,430	561	104	2,095
CASUAL	2,993	968	319	4,280
TOTAL	5,111	3,130	462	8,504
VESSELS, MOTOR	207	315	10	498
GROSS TONNAGE	9,014	18,815	549	25,343
BOATS:				
MOTOR	2,308	1,110	232	3,650
OTHER	90	135	-	225
GEAR:				
HAUL SEINES, COMMON	30	16	1	47
LENGTH, YARDS	9,408	2,786	33	12,227
PURSE SEINES, MENHADEN	3	17	-	20
LENGTH, YARDS	1,308	6,415	-	7,723
OTTER TRAWLS:				
FISH	137	119	-	246
YARDS AT MOUTH	3,212	2,901	-	5,965
LOBSTER	16	47	-	64
YARDS AT MOUTH	521	1,319	-	1,807
WEIRS	-	5	-	5
POUND NETS, FISH	74	18	-	92
FYKE AND HOOP NETS:				
FISH	28	26	8	62
TURTLE	-	-	18	18
POTS AND TRAPS:				
CONCH	525	-	-	525
CRAB	-	2,561	1,877	4,438
EEL	930	1,122	115	2,167
FISH	-	7,080	-	7,080
LOBSTER	37,195	12,590	-	49,785
TURTLE	-	145	-	145
GILL NETS:				
ANCHOR, SET OR STAKE	54	25	96	175
SQUARE YARDS	83,116	34,140	29,550	146,806
DRIFT:				
SHAD	22	12	-	34
SQUARE YARDS	71,390	18,910	-	90,300
OTHER	-	35	-	35
SQUARE YARDS	-	252,350	-	252,350
RUNAROUND	26	23	-	49
SQUARE YARDS	23,795	181,500	-	205,295
LINES:				
HAND	920	53	64	1,037
HOOKS	1,420	66	64	1,550
TROLL	-	10	-	10
HOOKS	-	10	-	10
LONG OR SET WITH HOOKS	15	18	2	34
HOOKS	7,200	38,400	4,500	49,400
HARPOONS, SWORDFISH	-	2	-	2
SPEARS	37	4	-	41

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLI- CATION
	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:				
DREDGES:				
CLAM.	40	96	7	138
YARDS AT MOUTH. . . .	35	116	14	157
CONCH	-	7	-	7
YARDS AT MOUTH. . . .	-	23	-	23
CRAB.	-	10	2	12
YARDS AT MOUTH. . . .	-	18	3	21
OYSTER, COMMON.	13	48	6	67
YARDS AT MOUTH. . . .	21	48	10	79
SCALLOP:				
BAY	585	-	-	585
YARDS AT MOUTH. . .	585	-	-	585
SEA	22	89	-	91
YARDS AT MOUTH. . .	62	370	-	377
TONGS:				
OYSTER.	4	107	25	136
OTHER	1,155	780	173	2,408
RAKES	2,100	593	172	2,865
HOES.	-	42	-	42
HOOKS	-	-	4	4

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES.	9	1	5	(1)	-	-	14	1
AMBERJACK	-	-	(1)	(1)	-	-	(1)	(1)
ANGLERFISH.	25	1	1	(1)	-	-	26	1
BLUEFISH.	1,120	132	681	103	-	-	1,801	235
BONITO.	19	1	2	(1)	-	-	21	1
BUTTERFISH.	763	110	1,663	166	-	-	2,426	276
CARP.	7	1	28	2	5	(1)	40	3
CATFISH	5	1	13	2	(1)	(1)	18	3
COD	449	62	124	18	2	(1)	575	80
DRUM, BLACK	-	-	11	1	-	-	11	1
EELS:								
COMMON.	173	40	248	63	44	6	465	109
CONGER.	(1)	(1)	-	-	-	-	(1)	(1)
FLOUNDERS:								
BLACKBACK	1,444	97	268	13	2	(1)	1,714	110
FLUKE	574	200	1,276	477	-	-	1,850	677
GRAY SOLE	16	2	22	2	-	-	38	4
LEMON SOLE.	1	(1)	-	-	-	-	1	(1)
YELLOWTAIL.	4,699	376	390	17	-	-	5,089	393
TOTAL FLOUNDERS . . .	6,734	675	1,956	509	2	(1)	8,692	1,184
GRUNTS.	-	-	4	(1)	-	-	4	(1)
HADDOCK	20	3	-	-	-	-	20	3
HAKE:								
RED	253	15	391	16	-	-	644	31
WHITE	5	(1)	10	1	-	-	15	1
HERRING, SEA.	133	9	370	10	-	-	503	19
KING WHITING OR "KINGFISH".	13	2	9	1	-	-	22	3
MACKEREL, ATLANTIC.	492	33	296	22	-	-	788	55
MARLIN.	-	-	(1)	(1)	-	-	(1)	(1)
MENHADEN.	9,762	230	33,993	614	-	-	43,755	844
MULLET, BLACK (LISA). . . .	-	-	1	(1)	-	-	1	(1)
POLLOCK	3	(1)	2	(1)	-	-	5	(1)
SCUP OR PORGY	1,637	352	3,618	590	-	-	5,255	942
SEA BASS.	69	23	392	125	-	-	461	148
SEA ROBIN	65	3	3	(1)	-	-	68	3
SEA TROUT OR WEAKFISH, GRAY	117	20	1,863	119	21	3	2,001	142
SHAD.	136	20	188	22	18	2	342	44
SHARKS:								
GRAYFISH.	145	13	13	1	-	-	158	14
UNCLASSIFIED.	1	(1)	1	(1)	-	-	2	(1)
TOTAL SHARKS.	146	13	14	1	-	-	160	14

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NEW YORK		NEW JERSEY		DELAWARE		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SILVERSIDES	72	13	-	-	-	-	72	13
SKATES	8	(1)	1	(1)	-	-	9	(1)
SPOT	-	-	6	(1)	-	-	6	(1)
STRIPED BASS	1,535	369	311	76	42	8	1,888	453
STURGEON, COMMON	13	2	7	1	-	-	20	3
SWELLFISH	261	14	3	(1)	-	-	264	14
SWORDFISH	2	1	31	13	-	-	33	14
TAUTOG	42	2	12	(1)	-	-	54	2
TILEFISH	10	1	23	3	-	-	33	4
TUNA:								
BLUEFIN	12	1	5	1	-	-	17	2
LITTLE	15	1	1	(1)	-	-	16	1
TOTAL TUNA	27	2	6	1	-	-	33	3
WHITE PERCH	67	14	90	15	9	1	166	30
WHITING	2,132	134	3,826	349	-	-	5,958	483
YELLOW PERCH	-	-	1	(1)	-	-	1	(1)
UNCLASSIFIED:								
FOR FOOD	228	23	16	1	-	-	244	24
FOR BAIT, REDUCTION, AND ANIMAL FOOD	(1)	(1)	19	1	-	-	19	1
TOTAL FISH	26,552	2,322	50,238	2,845	143	20	76,933	5,187
SHELLFISH, ETC.								
CRABS:								
BLUE:								
HARD	-	-	622	83	510	62	1,132	145
SOFT AND PEELER	-	-	9	2	3	2	12	4
ROCK	-	-	83	4	-	-	83	4
TOTAL CRABS	-	-	714	89	513	64	1,227	153
LOBSTERS, NORTHERN	1,416	1,456	1,434	1,212	-	-	2,850	2,668
CLAMS:								
HARD:								
PUBLIC	5,097	5,626	2,263	1,241	97	54	7,457	6,921
PRIVATE	2,419	2,553	1	1	38	16	2,458	2,570
SOFT, PUBLIC	170	76	71	36	-	-	241	112
SURF	3,431	390	36,039	4,278	2,757	324	42,227	4,992
TOTAL CLAMS	11,117	8,645	38,374	5,556	2,892	394	52,383	14,595
CONCHS	38	7	299	54	-	-	337	61
MUSSELS, SEA	674	63	-	-	-	-	674	63
OYSTERS, MARKET:								
PUBLIC:								
SPRING	29	50	11	14	-	-	40	64
FALL	129	308	2	2	10	5	141	315
PRIVATE:								
SPRING	29	60	50	53	14	15	93	128
FALL	25	55	996	769	27	18	1,048	842
TOTAL OYSTERS	212	473	1,059	838	51	38	1,322	1,349
SCALLOPS:								
BAY	249	377	-	-	-	-	249	377
SEA	597	642	315	340	-	-	912	982
TOTAL SCALLOPS	846	1,019	315	340	-	-	1,161	1,359
SQUID	532	55	374	36	-	-	906	91
TERRAPIN	-	-	2	1	(1)	(1)	2	1
TURTLES:								
LOGGERHEAD	-	-	(1)	(1)	-	-	1)	(1)
SNAPPER	-	-	52	8	16	3	68	11
UNCLASSIFIED	-	-	1	(1)	-	-	1	(1)
TOTAL SHELLFISH, ETC.	14,835	11,718	42,624	8,134	3,472	499	60,931	20,351
GRAND TOTAL	41,387	14,040	92,862	10,979	3,615	519	137,864	25,538

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE STATISTICS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS, CONCHS, MUSSELS, AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS, IN WEIGHT OF EDIBLE MEATS.

MIDDLE ATLANTIC FISHERIES

LANDINGS OF CERTAIN SHELLFISH, 1969

(U.S. STANDARD BUSHELS)

SPECIES	NEW YORK		NEW JERSEY	
	NUMBER	VALUE	NUMBER	VALUE
CLAMS:				
HARD:				
PUBLIC.	424,775	$5,626,113	226,310	$1,241,132
PRIVATE	201,575	2,552,792	140	710
SOFT, PUBLIC.	10,606	76,176	5,958	35,600
SURF.	201,841	389,614	2,119,924	4,278,118
CONCHS.	2,527	7,191	14,950	54,023
MUSSELS, SEA.	67,390	63,012	-	-
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	3,933	50,408	1,890	14,400
FALL.	17,173	307,443	300	1,500
PRIVATE:				
SPRING.	3,880	60,076	7,953	53,215
FALL.	3,400	55,130	156,572	769,447
SCALLOPS:				
BAY	41,450	376,541	-	-
SEA	99,483	642,244	52,467	339,588

SPECIES	DELAWARE		TOTAL	
	NUMBER	VALUE	NUMBER	VALUE
CLAMS:				
HARD:				
PUBLIC.	12,112	$53,928	663,197	$6,921,173
PRIVATE	4,825	15,994	206,540	2,569,496
SOFT, PUBLIC.	-	-	16,564	111,776
SURF.	162,118	324,320	2,483,883	4,992,052
CONCHS.	-	-	17,477	61,214
MUSSELS, SEA.	-	-	67,390	63,012
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	-	-	5,823	64,808
FALL.	1,476	5,184	18,949	314,127
PRIVATE:				
SPRING.	2,123	15,322	13,956	128,613
FALL.	4,200	17,508	164,172	842,085
SCALLOPS:				
BAY	-	-	41,450	376,541
SEA	-	-	151,950	981,832

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1969

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

SPECIES	NEW YORK	NEW JERSEY	DELAWARE
	POUNDS	POUNDS	POUNDS
CLAMS:			
HARD:			
PUBLIC.	12.00	10.00	8.00
PRIVATE	12.00	10.00	8.00
SOFT, PUBLIC.	16.00	12.00	-
SURF.	17.00	17.00	17.00
CONCHS.	15.00	20.00	-
MUSSELS, SEA.	10.00	-	-
OYSTERS, MARKET:			
PUBLIC:			
SPRING.	7.50	5.82	-
FALL.	7.50	5.00	6.50
PRIVATE:			
SPRING.	7.50	6.35	6.50
FALL.	7.50	6.36	6.50
SCALLOPS:			
BAY	6.00	-	-
SEA	6.00	6.00	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

PROCESSED FISHERY PRODUCTS, 1969

ITEM		NEW YORK		NEW JERSEY		PENNSYLVANIA AND DELAWARE	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES, CANNED ANIMAL FOOD. .	STANDARD CASES	-	-	-	-	(1)	(1)
ANCHOVY PASTE, CANNED	DO	(1)	(1)	-	-	-	-
BUFFALOFISH, SMOKED	POUNDS	(1)	(1)	-	-	-	-
BUTTERFISH, SMOKED.	DO	23,400	$26,450	(1)	(1)	-	-
CARP, SMOKED.	DO	76,000	69,700	-	-	-	-
CHUBS, SMOKED	DO	1,930,000	1,886,000	(1)	(1)	-	-
COD:							
FILLETS AND STEAKS, FRESH . .	DO	1,858,500	1,115,875	425,805	$195,942	-	-
SPECIALTIES, CAKES:							
FRESH AND FROZEN (BREADED, RAW AND COOKED)	DO	(1)	(1)	-	-	822,000	$271,110
CANNED.	STANDARD CASES	-	-	(1)	(1)	-	-
SALTED.	POUNDS	(1)	(1)	(1)	(1)	-	-
SMOKED.	DO	(1)	(1)	-	-	-	-
EELS, SMOKED.	DO	68,500	64,600	(1)	(1)	-	-
FLOUNDER:							
FILLETS:							
FRESH AND FROZEN.	DO	2,764,800	2,077,390	276,991	192,873	-	-
BREADED, RAW AND COOKED, FROZEN	DO	(1)	(1)	(1)	(1)	-	-
SPECIALTIES, FROZEN (STUFFED, BREADED WHOLE).	DO	-	-	(1)	(1)	-	-
HADDOCK:							
FILLETS:							
FRESH	DO	249,300	155,505	(2)	(2)	-	-
BREADED, RAW AND COOKED, FRESH AND FROZEN.	DO	(1)	(1)	-	-	(1)	(1)
SPECIALTIES, FROZEN (STUFFED, BREADED AND COOKED)	DO	(1)	(1)	-	-	-	-
SMOKED.	DO	(1)	(1)	-	-	-	-
HAKE FILLETS, FRESH	DO	7,500	2,875	-	-	-	-
HALIBUT, SPECIALTIES, FROZEN (AU-GRATIN COOKED).	DO	(1)	(1)	-	-	-	-
HERRING, SEA:							
SPECIALTIES, CURED AND REFRIGERATED (IN WINE & CREAM SAUCE)	DO	(1)	(1)	-	-	-	-
SALTED.	DO	345,783	142,746	-	-	(1)	(1)
SMOKED.	DO	(1)	(1)	-	-	-	-
MEAL AND SCRAP.	TONS	(1)	(1)	-	-	-	-
OIL	1,000 POUNDS	(1)	(1)	-	-	-	-
SOLUBLES.	TONS	(1)	(1)	-	-	-	-
LUMPFISH CAVIAR, CANNED	STANDARD CASES	2,307	194,063	-	-	-	-
MACKEREL, ATLANTIC:							
SALTED.	POUNDS	-	-	-	(1)	(1)	(1)
SMOKED.	DO	(1)	(1)	-	-	-	-
MENHADEN:							
MEAL AND SCRAP.	TONS	(1)	(1)	(1)	(1)	-	-
OIL	1,000 POUNDS	(1)	(1)	(1)	(1)	-	-
SOLUBLES.	TONS	(1)	(1)	(1)	(1)	-	-
OCEAN PERCH, ATLANTIC:							
FILLETS, BREADED AND COOKED, FROZEN.	POUNDS	(1)	(1)	-	-	-	-
SPECIALTIES, FROZEN (DINNERS, BREADED AND COOKED)	DO	(1)	(1)	-	-	-	-
POLLOCK, FILLETS, FRESH. . . .	DO	(1)	(1)	-	-	-	-
SABLEFISH, SMOKED	DO	1,775,000	1,642,500	(1)	(1)	-	-
SALMON:							
CAVIAR, CANNED.	STANDARD CASES	2,715	490,964	-	-	-	-
SMOKED.	POUNDS	7,241,000	16,339,400	(1)	(1)	(1)	(1)
SHAD, SMOKED.	DO	(1)	(1)	-	-	-	-
SHARK LEATHERS.	-	-	-	-	(1)	-	-
STURGEON:							
CAVIAR, CANNED.	STANDARD CASES	(1)	(1)	-	-	-	-
SMOKED.	POUNDS	905,000	2,172,250	(1)	(1)	-	-
TUNA SPECIALTIES:							
FROZEN (CASSEROLES, PIES, WITH NOODLES, PATTIES, ETC.) . .	POUNDS	(1)	(1)	-	-	(1)	(1)
CANNED (WITH NOODLES)	STANDARD CASES	-	-	-	-	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 — Continued

ITEM		NEW YORK		NEW JERSEY		PENNSYLVANIA AND DELAWARE	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WHITEFISH:							
CANNED:							
FISH	STANDARD CASES	-	-	-	-	(1)	(1)
CAVIAR	DO	(1)	(1)	-	-	-	-
SMOKED	POUNDS	1,518,000	$1,648,950	(1)	(1)	-	-
WHITING, SMOKED	DO	375,000	178,750	(1)	(1)	-	-
CRABS, SPECIALTIES:							
BLUE:							
FROZEN (CAKES, DEVILED, PATTIES, IMPERIAL, ETC.)	DO	(3)	(3)	382,982	$290,110	(1)	(1)
CANNED (BISQUE AND NEWBURG)	STANDARD CASES	-	-	(1)	(1)	-	-
KING (COCKTAILS, REFRIGERATED)	POUNDS	(1)	(1)	-	-	-	-
LOBSTERS, NORTHERN:							
FRESH, COOKED MEAT	DO	-	-	(1)	(1)	-	-
CANNED SPECIALTIES (IN SAUCE, BISQUE, CHOWDER, ETC.)	STANDARD CASES	-	-	(1)	(1)	(1)	(1)
SHRIMP:							
FROZEN:							
COOKED MEAT, PEELED AND DEVEINED	POUNDS	(1)	(1)	-	-	-	-
BREADED, RAW AND COOKED	DO	(1)	(1)	(1)	(1)	621,633	$805,743
SPECIALTIES:							
FRESH (COCKTAILS REFRIGERATED)	DO	(1)	(1)	-	-	(1)	(1)
FROZEN (CASSEROLES, DINNERS, BURGERS, STUFFED, ETC.)	DO	(1)	(1)	(1)	(1)	-	-
CANNED (IN SAUCE, BISQUE, NEWBURG)	STANDARD CASES	-	-	(1)	(1)	-	-
CLAMS; HARD AND SURF:							
FRESH AND FROZEN:							
SHUCKED	GALLONS	1,020,690	3,433,778	2,158,494	5,980,347	18,645	139,452
SPECIALTIES:							
BREADED, RAW AND COOKED	POUNDS	(1)	(1)	(1)	(1)	(1)	(1)
OTHER (CHOWDER, JUICE, CROQUETTES, CAKES, STUFFED, ETC.)	DO	155,135	149,318	32,547	23,530	1,306,227	1,186,475
CANNED:							
WHOLE AND MINCED	STANDARD CASES	(1)	(1)	245,415	3,786,667	(1)	(1)
CHOWDER AND JUICE	DO	(1)	(1)	563,498	4,551,542	(1)	(1)
SPECIALTIES (SOUP AND IN SAUCES)	DO	-	-	(1)	(1)	(1)	(1)
CONCH MEAT:							
FRESH AND FROZEN:							
NATURAL	POUNDS	(1)	(1)	(1)	(1)	-	-
IN TOMATO SAUCE	DO	(1)	(1)	-	-	-	-
CANNED	STANDARD CASES	(1)	(1)	(1)	(1)	(1)	(1)
MUSSELS, SEA:							
SPECIELTIES, FROZEN (IN HOT SAUCE)	POUNDS	-	-	(1)	(1)	-	-
CANNED (WHOLE)	STANDARD CASES	(1)	(1)	-	-	-	-
OYSTERS:							
FRESH AND FROZEN:							
SHUCKED	GALLONS	-	-	99,795	881,323	57,372	693,355
BREADED, RAW AND COOKED	POUNDS	-	-	383,922	443,387	(1)	(1)
SPECIALTIES:							
FROZEN (PIES)	DO	-	-	-	-	(1)	(1)
CANNED	STANDARD CASES	-	-	(1)	(1)	-	-
SHELL, GRIT	TONS	-	-	-	-	(1)	(1)
SCALLOPS:							
BAY, FRESH, SHUCKED	GALLONS	27,075	433,200	-	-	-	-
SEA, FROZEN:							
BREADED, RAW AND COOKED	POUNDS	268,602	390,288	670,755	1,000,118	-	-
SPECIALTIES:							
FROZEN (DINNERS, BREADED RAW)	DO	(1)	(1)	-	-	-	-
CANNED (IN SAUCE)	STANDARD CASES	-	-	(1)	(1)	(1)	(1)
SQUID:							
FROZEN (IN TOMATO SAUCE)	POUNDS	(1)	(1)	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 — Continued

ITEM		NEW YORK		NEW JERSEY		PENNSYLVANIA AND DELAWARE	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SQUID - CONTINUED:							
CANNED	STANDARD CASES	(1)	(1)	(1)	(1)	(1)	(1)
TURTLE:							
CANNED (MEAT, SOUPS, ETC.)	DO	-	-	(1)	(1)	-	-
OIL	1,000 POUNDS	-	-	(1)	(1)	-	-
UNCLASSIFIED:							
FRESH AND FROZEN PACKAGED FISH:							
STICKS, BREADED:							
RAW	DO	-	-	(1)	(1)	(1)	(1)
COOKED	DO	(1)	(1)	(1)	(1)	24,314,745	$10,176,956
PORTIONS:							
RAW:							
NOT BREADED	DO	-	-	(1)	(1)	1,205,471	496,073
BREADED	DO	-	-	(1)	(1)	(1)	(1)
BREADED AND COOKED	DO	(1)	(1)	(1)	(1)	28,166,958	10,980,407
FISH AND SHELLFISH	DO	17,935,471	$15,140,950	5,853,735	$5,537,716	18,230,805	12,170,658
CANNED	STANDARD CASES	385,740	7,071,399	318,587	6,034,779	699,143	7,851,500
CURED	POUNDS	1,280,950	769,065	417,750	461,975	(1)	(1)
INDUSTRIAL	-	-	(1)	-	1,780,330	-	(1)
TOTAL	-	-	55,520,673	-	31,235,982	-	44,771,729

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH.
2/ A SMALL PRODUCTION OF HADDOCK FILLETS PRODUCED IN NEW JERSEY HAS BEEN INCLUDED WITH NEW YORK.
3/ A SMALL PRODUCTION OF BLUE CRAB CAKES PRODUCED IN NEW YORK HAS BEEN INCLUDED WITH NEW JERSEY.
NOTE:--THIS TABLE WILL NOT ADD. INDIVIDUAL STATE TOTALS ARE CORRECT. SOME OF THE PRODUCTS MAY HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	20,484
FROZEN	50,829
CANNED	29,981
CURED	28,033
INDUSTRIAL	2,201
TOTAL	131,528

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
NEW YORK	55,521
NEW JERSEY	31,236
PENNSYLVANIA	39,629
DELAWARE	5,142
TOTAL	131,528

WHOLESALING AND PROCESSING, 1969

ITEM	NEW YORK	NEW JERSEY	PENNSYLVANIA	DELAWARE	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:					
ESTABLISHMENTS	208	103	42	17	370
PERSONS ENGAGED:					
AVERAGE FOR SEASON	2,310	2,248	1,331	406	6,295
AVERAGE FOR YEAR	2,190	1,891	1,157	352	5,590

MIDDLE ATLANTIC FISHERIES

NEW YORK

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS		POUND NETS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS
			FISH	LOBSTER			CONCH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	5	51	329	72	12	-	2
ON BOATS AND SHORE:							
REGULAR	60	-	16	-	16	1	4
CASUAL	19	-	-	-	8	9	-
TOTAL	84	51	345	72	36	10	6
VESSELS, MOTOR	2	3	129	18	3	-	1
GROSS TONNAGE	23	835	4,585	1,578	43	-	32
BOATS:							
MOTOR	28	6	8	-	18	10	2
OTHER	1	-	-	-	8	-	-
GEAR:							
NUMBER	30	3	137	18	74	28	525
LENGTH, YARDS	9,408	1,308	-	-	-	-	-
YARDS AT MOUTH	-	-	3,212	521	-	-	-

ITEM	POTS AND TRAPS - CONTINUED		GILL NETS			LINES		SPEARS
	EEL	LOBSTER	ANCHOR, SET OR STAKE	DRIFT, SHAD	RUNAROUND	HAND	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	34	-	-	-	-	9	-
ON BOATS AND SHORE:								
REGULAR	12	86	21	-	12	150	4	10
CASUAL	16	141	36	44	26	770	5	29
TOTAL	28	261	57	44	38	920	18	39
VESSELS, MOTOR	-	17	-	-	-	-	3	-
GROSS TONNAGE	-	282	-	-	-	-	74	-
BOATS:								
MOTOR	28	193	46	22	26	475	9	37
OTHER	-	-	-	-	-	15	-	6
GEAR:								
NUMBER	930	37,195	54	22	26	920	15	37
SQUARE YARDS	-	-	83,116	71,390	23,795	-	-	-
HOOKS OR BAITS	-	-	-	-	-	1,420	7,200	-

ITEM	DREDGES				TONGS		RAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	CLAM	OYSTER, COMMON	SCALLOP		OYSTER	OTHER		
			BAY	SEA				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	96	32	-	124	-	-	-	688
ON BOATS AND SHORE:								
REGULAR	4	-	270	-	4	575	725	1,430
CASUAL	-	-	175	-	-	925	1,375	2,993
TOTAL	100	32	445	124	4	1,500	2,100	5,111
VESSELS, MOTOR	38	8	-	11	-	-	-	207
GROSS TONNAGE	1,197	307	-	1,458	-	-	-	9,014
BOATS:								
MOTOR	2	-	195	-	4	1,215	735	2,308
OTHER	-	-	-	-	-	35	25	90
GEAR:								
NUMBER	40	13	585	22	4	1,455	2,100	-
YARDS AT MOUTH	35	21	585	82	-	-	-	-

NEW YORK - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, MENHADEN		OTTER TRAWLS	
					FISH	
	POUNDS	VALUE	POUNDS	VALJE	POUNDS	VALUE
ALEWIVES	2,100	$210	-	-	-	-
ANGLERFISH	-	-	-	-	25,400	$1,212
BLUEFISH	432,100	50,934	-	-	29,500	3,476
BONITO	-	-	-	-	2,000	122
BUTTERFISH	-	-	-	-	618,900	89,292
CARP	1,700	136	-	-	-	-
COD	-	-	-	-	383,100	52,711
EEL, CONGER	-	-	-	-	200	24
FLOUNDERS:						
BLACKBACK	-	-	-	-	1,368,000	92,888
FLUKE	-	-	-	-	556,200	194,064
GRAY SOLE	-	-	-	-	14,800	1,560
LEMON SOLE	-	-	-	-	700	73
YELLOWTAIL	-	-	-	-	4,670,700	374,017
HADDOCK	-	-	-	-	20,100	2,712
HAKE:						
RED	-	-	-	-	247,900	14,560
WHITE	-	-	-	-	4,900	485
HERRING, SEA	-	-	-	-	43,300	2,820
KING WHITING OR "KINGFISH"	-	-	-	-	5,700	980
MACKEREL, ATLANTIC	2,400	159	-	-	130,200	8,610
MENHADEN	-	-	9,097,000	$201,219	-	-
POLLOCK	-	-	-	-	2,500	164
SCUP OR PORGY	105,300	22,680	-	-	1,440,600	310,131
SEA BASS	-	-	-	-	54,300	18,436
SEA ROBIN	-	-	-	-	29,400	1,341
SEA TROUT OR WEAKFISH, GRAY	10,900	1,844	-	-	50,000	8,455
SHARKS:						
GRAYFISH	-	-	-	-	107,300	9,401
UNCLASSIFIED	-	-	-	-	1,000	77
SILVERSIDES	66,700	11,719	-	-	-	-
SKATES	-	-	-	-	7,400	385
STRIPED BASS	873,000	213,553	-	-	223,300	54,622
STURGEON, COMMON	-	-	-	-	11,600	1,622
SWELLFISH	-	-	-	-	146,600	7,873
TAUTOG	-	-	-	-	19,400	901
TILEFISH	-	-	-	-	9,600	1,263
WHITE PERCH	62,900	12,815	-	-	-	-
WHITING	-	-	-	-	2,109,300	132,778
UNCLASSIFIED, FOR FOOD	6,800	675	-	-	181,100	18,114
LOBSTERS, NORTHERN	-	-	-	-	69,100	65,640
SQUID	-	-	-	-	502,700	51,902
TOTAL	1,563,900	314,725	9,097,000	201,219	13,086,800	1,522,711

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS, FISH		FYKE AND HOOP NETS, FISH	
	LOBSTER					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	3,000	$300
BLUEFISH	-	-	262,100	$30,892	-	-
BONITO	-	-	15,100	904	-	-
BUTTERFISH	-	-	144,500	20,840	-	-
CARP	-	-	-	-	3,200	256
CATFISH	-	-	-	-	2,300	430
COD	-	-	2,700	371	-	-
EEL, COMMON	-	-	94,100	21,987	-	-
FLOUNDERS:						
BLACKBACK	-	-	49,500	2,984	-	-
FLUKE	-	-	16,100	5,620	-	-
HAKE, RED	-	-	5,300	313	-	-
HERRING, SEA	-	-	89,600	5,832	-	-
KING WHITING OR "KINGFISH"	-	-	6,100	1,047	-	-
MACKEREL, ATLANTIC	-	-	288,600	19,086	-	-
MENHADEN	-	-	645,900	27,879	-	-
SCUP OR PORGY	-	-	88,400	19,005	-	-
SEA BASS	-	-	6,400	2,178	-	-
SEA ROBIN	-	-	35,800	1,634	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	35,800	6,075	-	-
SHAD	-	-	13,700	1,893	-	-
SHARKS, GRAYFISH	-	-	31,300	2,735	-	-
SILVERSIDES	-	-	5,800	1,036	-	-
SKATES	-	-	900	46	-	-
STRIPED BASS	-	-	104,600	25,610	-	-
SWELLFISH	-	-	114,000	6,126	-	-
TAUTOG	-	-	22,400	1,042	-	

(CONTINUED ON NEXT PAGE)

MIDDLE ATLANTIC FISHERIES

NEW YORK - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS, FISH		FYKE AND HOOP NETS, FISH	
	LOBSTER					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TUNA:						
BLUEFIN	-	-	200	$25	-	-
LITTLE.	-	-	14,400	866	-	-
WHITE PERCH	-	-	1,700	350	-	-
WHITING	-	-	22,400	1,443	-	-
UNCLASSIFIED:						
FOR FOOD.	-	-	14,700	1,476	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD.	-	-	-	-	400	$40
LOBSTERS, NORTHERN.	461,200	$438,140	-	-	-	-
SQUID	-	-	28,900	2,981	-	-
TOTAL	461,200	438,140	2,161,000	212,276	8,900	1,026

SPECIES	POTS AND TRAPS					
	CONCH		EEL		LOBSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	-	-	17,900	$3,761	-	-
SEA BASS.	-	-	-	-	8,400	$2,884
UNCLASSIFIED, FOR FOOD. . .	-	-	-	-	12,500	1,250
LOBSTERS, NORTHERN.	-	-	-	-	883,300	949,787
CONCHS.	28,100	$5,157	-	-	-	-
TOTAL	28,100	5,157	17,900	3,761	904,200	953,921

SPECIES	GILL NETS					
	ANCHOR, SET OR STAKE		DRIFT, SHAD		RUNAROUND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	4,100	$410	-	-	-	-
BLUEFISH.	44,800	5,276	-	-	247,000	$29,110
CARP.	600	48	1,500	$120	-	-
KING WHITING OR "KINGFISH".	-	-	-	-	100	15
MACKEREL, ATLANTIC.	16,800	1,110	-	-	22,600	1,498
MENHADEN.	-	-	-	-	19,500	842
SCUP OR PORGY	-	-	-	-	1,500	327
SEA TROUT OR WEAKFISH, GRAY	7,000	1,187	-	-	11,200	1,899
SHAD.	58,700	9,101	64,000	8,688	-	-
SHARKS:						
GRAYFISH.	-	-	-	-	1,700	144
UNCLASSIFIED.	-	-	-	-	100	6
STRIPED BASS.	111,400	20,974	-	-	156,000	38,144
STURGEON, COMMON.	1,400	308	400	88	-	-
TUNA, LITTLE.	-	-	-	-	200	15
WHITE PERCH	2,600	564	-	-	-	-
UNCLASSIFIED, FOR FOOD. . .	1,400	140	-	-	2,400	230
TOTAL	248,800	39,118	65,900	8,896	462,300	72,230

SPECIES	LINES				SPEARS	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	104,100	$12,262	-	-	-	-
BONITO.	1,400	82	-	-	-	-
CATFISH	-	-	2,900	$580	-	-
COD	26,700	3,678	36,500	5,025	-	-
EEL, COMMON	-	-	-	-	61,300	$14,308
FLOUNDERS:						
BLACKBACK	-	-	-	-	10,200	615
FLUKE	400	140	-	-	-	-
KING WHITING OR "KINGFISH".	700	115	-	-	-	-
MACKEREL, ATLANTIC.	31,100	2,056	-	-	-	-
POLLOCK	500	33	-	-	-	-
SCUP OR PORGY	1,600	347	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	1,600	276	-	-	-	-
SHARKS, GRAYFISH.	-	-	4,200	363	-	-
STRIPED BASS.	66,800	16,337	-	-	-	-
SWORDFISH	300	110	2,200	800	-	-
TUNA, BLUEFIN	11,700	1,162	-	-	-	-
UNCLASSIFIED, FOR FOOD. . .	2,800	275	5,900	595	-	-
TOTAL	249,700	36,873	51,700	7,363	71,500	14,923

(CONTINUED ON NEXT PAGE)

NEW YORK - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	DREDGES					
	CLAM		OYSTER, COMMON		SCALLOP	
					BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:						
HARD, PRIVATE	2,367,500	$2,531,377	-	-	-	-
SURF	3,431,300	389,614	-	-	-	-
CONCHS	2,800	514	6,900	$1,497	-	-
MUSSELS, SEA	-	-	515,500	16,222	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	23,800	45,782	-	-
FALL	-	-	127,400	305,748	-	-
PRIVATE:						
SPRING	-	-	29,100	60,076	-	-
FALL	-	-	25,500	55,130	-	-
SCALLOPS, BAY	-	-	-	-	248,700	$376,541
TOTAL	5,801,600	2,921,505	728,200	484,455	248,700	376,541

SPECIES	DREDGES - CONTINUED		TONGS	
	SCALLOP - CONTINUED		OYSTER	
	SEA			
	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:				
BLACKBACK	16,400	$988	-	-
FLUKE	1,300	437	-	-
GRAY SOLE	800	79	-	-
YELLOWTAIL	27,900	2,234	-	-
LOBSTERS, NORTHERN	2,700	2,565	-	-
OYSTERS, MARKET, PUBLIC:				
SPRING	-	-	5,600	$4,482
FALL	-	-	1,400	1,695
SCALLOPS, SEA	596,900	642,244	-	-
TOTAL	646,000	648,547	7,000	6,177

SPECIES	TONGS - CONTINUED		RAKES	
	OTHER			
	POUNDS	VALUE	POUNDS	VALUE
CLAMS:				
HARD:				
PUBLIC	1,833,900	$2,017,885	3,263,400	$3,608,228
PRIVATE	-	-	51,400	21,415
SOFT, PUBLIC	-	-	169,700	76,176
CONCHS	-	-	100	23
MUSSELS, SEA	-	-	158,400	46,790
OYSTERS, MARKET, PUBLIC, SPRING	-	-	100	144
TOTAL	1,833,900	2,017,885	3,643,100	3,752,776

MIDDLE ATLANTIC FISHERIES

NEW JERSEY

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS		WEIRS	POUND NETS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS
			FISH	LOBSTER				CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	214	364	198	-	13	1	3
ON BOATS AND SHORE:								
REGULAR	11	-	8	-	2	10	10	29
CASUAL	22	-	-	-	6	-	-	10
TOTAL	33	214	372	198	8	23	11	42
VESSELS, MOTOR	-	17	115	47	-	4	1	2
GROSS TONNAGE	-	2,265	5,210	3,077	-	31	8	15
BOATS:								
MOTOR	16	20	4	-	4	3	10	39
OTHER	-	4	-	-	4	-	-	-
GEAR:								
NUMBER	16	17	119	47	5	18	26	2,561
LENGTH, YARDS	2,786	6,415	-	-	-	-	-	-
YARDS AT MOUTH	-	-	2,901	1,319	-	-	-	-

ITEM	POTS AND TRAPS - CONTINUED				GILL NETS			
	EEL	FISH	LOBSTER	TURTLE	ANCHOR, SET OR STAKE	DRIFT		RUNAROUND
						SHAD	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	10	15	-	7	-	33	17
ON BOATS AND SHORE:								
REGULAR	11	8	32	-	17	9	23	12
CASUAL	9	1	6	11	18	16	14	18
TOTAL	20	19	53	11	42	25	70	47
VESSELS, MOTOR	-	5	8	-	3	-	15	8
GROSS TONNAGE	-	48	76	-	29	-	152	102
BOATS:								
MOTOR	20	55	24	8	16	13	20	15
OTHER	-	-	-	3	-	-	-	-
GEAR:								
NUMBER	1,122	7,080	12,590	145	25	12	35	23
SQUARE YARDS	-	-	-	-	34,140	18,910	252,350	181,500

ITEM	LINES			HARPOONS, SWORDFISH	SPEARS	DREDGES		
	HAND	TROLL	LONG OR SET WITH HOOKS			CLAM	CONCH	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	6	2	29	8	-	268	19	10
ON BOATS AND SHORE:								
REGULAR	1	1	8	-	1	8	-	4
CASUAL	46	6	6	-	3	-	-	-
TOTAL	53	9	43	8	4	276	19	14
VESSELS, MOTOR	3	1	11	2	-	86	6	4
GROSS TONNAGE	29	11	218	119	-	4,991	183	49
BOATS, MOTOR	26	7	7	-	4	4	-	2
GEAR:								
NUMBER	53	10	18	2	4	96	7	10
YARDS AT MOUTH	-	-	-	-	-	116	23	18
HOOKS OR BAITS	66	10	38,400	-	-	-	-	-

ITEM	DREDGES - CONTINUED		TONGS		RAKES	HOES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER, COMMON	SCALLOP, SEA	OYSTER	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	153	506	-	-	-	-	-	1,601
ON BOATS AND SHORE:								
REGULAR	15	-	67	365	238	12	308	561
CASUAL	-	-	40	415	355	30	770	968
TOTAL	168	506	107	780	593	42	1,078	3,130
VESSELS, MOTOR	19	47	-	-	-	-	-	315
GROSS TONNAGE	634	5,130	-	-	-	-	-	18,815
BOATS:								
MOTOR	9	-	83	670	554	42	948	1,110
OTHER	-	-	-	80	25	-	119	135
GEAR:								
NUMBER	48	89	107	780	593	42	-	-
YARDS AT MOUTH	48	370	-	-	-	-	-	-

NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, MENHADEN		OTTER TRAWLS FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	800	$32	-	-	-	-
ANGLERFISH	-	-	-	-	500	$30
BLUEFISH	-	-	39,900	$3,912	65,900	7,763
BONITO	-	-	-	-	500	102
BUTTERFISH	-	-	100	21	1,426,600	136,848
CARP	27,800	2,221	-	-	-	-
CATFISH	1,600	250	-	-	-	-
COD	-	-	-	-	40,800	5,589
DRUM, BLACK	-	-	-	-	6,100	307
FLOUNDERS:						
BLACKBACK	200	18	-	-	242,400	10,795
FLUKE	-	-	-	-	1,252,700	468,346
GRAYSOLE	-	-	-	-	12,800	793
YELLOWTAIL	-	-	-	-	381,700	16,766
HAKE:						
RED	-	-	-		351,100	14,914
WHITE	-	-	-	-	7,800	695
HERRING, SEA	-	-	1,100	53	202,300	4,481
KING WHITING OR "KINGFISH"	-	-	-	-	7,500	866
MACKEREL, ATLANTIC	-	-	-	-	197,700	10,339
MENHADEN	-	-	32,440,500	547,990	3,100	142
POLLOCK	-	-	-	-	1,500	93
SCUP OR PORGY	-	-	-	-	3,601,400	586,880
SEA BASS	-	-	-	-	71,300	17,571
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	1,832,600	112,084
SHAD	4,200	838	-	-	7,000	490
SHARKS:						
GRAYFISH	-	-	-	-	8,100	530
UNCLASSIFIED	-	-	-	-	500	32
SKATES	-	-	-	-	300	21
SPOT	-	-	-	-	5,500	169
STRIPED BASS	11,100	2,828	7,700	2,909	201,300	48,387
STURGEON, COMMON	-	-	-	-	4,400	727
SWELLFISH	-	-	-	-	3,000	194
TAUTOG	-	-	-	-	1,600	68
TILEFISH	-	-	-	-	5,300	785
TUNA, BLUEFIN	-	-	-	-	700	93
WHITE PERCH	37,500	6,439	-	-	-	-
WHITING	-	-	-	-	3,755,700	343,581
YELLOW PERCH	1,200	180	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	100	10	100	11	3,000	233
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	18,800	874
CRABS, ROCK	-	-	-	-	14,100	670
LOBSTERS, NORTHERN	-	-	-	-	125,800	103,137
CONCHS	-	-	-	-	14,200	2,057
SCALLOPS, SEA	-	-	-	-	100	120
SQUID	-	-	-	-	343,600	33,256
TOTAL	84,500	12,816	32,489,400	554,896	14,219,300	1,930,828

SPECIES	OTTER TRAWLS - CONTINUED LOBSTER		WEIRS		POUND NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	2,000	$60	-	-
AMBERJACK	-	-	-	-	300	$14
BLUEFISH	100	$15	-	-	74,000	14,459
BUTTERFISH	86,800	8,778	-	-	148,300	19,836
DRUM, BLACK	-	-	-	-	600	43
EEL, COMMON	-	-	66,000	26,400	1,600	306
FLOUNDERS:						
BLACKBACK	4,400	125	400	28	2,700	148
FLUKE	14,400	5,786	700	154	3,300	1,176
GRAY SOLE	8,600	755	-	-	-	-
YELLOWTAIL	5,600	550	-	-	-	-
HAKE:						
RED	-	-	-	-	25,900	1,145
WHITE	2,600	227	-	-	-	-
HERRING, SEA	-	-	-	-	166,100	5,545
KING WHITING OR "KINGFISH"	-	-	-	-	700	66
MACKEREL, ATLANTIC	1,700	66	-	-	14,600	600
MENHADEN	-	-	-	-	1,455,200	62,481
MULLET, BLACK (LISA)	-	-	-	-	700	70
POLLOCK	-	-	-	-	200	20
SCUP OR PORGY	13,000	1,913	-	-	2,500	583

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NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	OTTER TRAWLS-- CONTINUED LOBSTER		WEIRS		POUND NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA BASS	500	$113	-	-	100	$31
SEA ROBIN	-	-	-	-	2,500	153
SEA TROUT OR WEAKFISH	-	-	-	-	7,000	1,769
SHAD	-	-	300	$30	49,300	5,276
SHARKS, GRAYFISH	-	-	-	-	300	15
SKATES	-	-	-	-	700	34
STRIPED BASS	-	-	1,300	234	8,600	2,713
STURGEON, COMMON	100	15	-	-	2,400	518
SWELLFISH	-	-	-	-	100	5
TAUTOG	-	-	-	-	2,000	114
TILEFISH	17,800	2,204	-	-	-	-
WHITE PERCH	-	-	7,200	1,080	500	64
WHITING	14,200	653	-	-	53,900	5,078
UNCLASSIFIED:						
FOR FOOD	300	41	-	-	100	9
FOR BAIT, REDUCTION, AND ANIMAL FOOD	500	30	-	-	-	-
CRABS, ROCK	69,200	3,276	-	-	-	-
LOBSTERS, NORTHERN	974,400	778,287	-	-	-	-
SQUID	26,900	1,974	-	-	3,100	310
TURTLES, LOGGERHEAD	-	-	-	-	100	9
TOTAL	1,241,100	804,808	77,900	27,986	2,027,400	122,590

SPECIES	FYKE AND HOOP NETS, FISH		POTS AND TRAPS CRAB		EEL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	200	$8	-	-	-	-
CATFISH	10,100	1,010	-	-	-	-
EEL, COMMON	-	-	-	-	179,000	$35,800
FLOUNDER, BLACKBACK	15,900	1,590	-	-	-	-
WHITE PERCH	8,300	1,660	-	-	-	-
CRABS, BLUE:						
HARD	-	-	607,500	$81,365	-	-
SOFT AND PEELER	-	-	9,500	1,740	-	-
TOTAL	34,500	4,268	617,000	83,105	179,000	35,800

SPECIES	POTS AND TRAPS - CONTINUED FISH		LOBSTER		TURTLE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GRUNT	3,600	$252	-	-	-	-
HAKE, RED	12,400	352	1,800	$60	-	-
SEA BASS	286,200	97,729	32,600	8,929	-	-
TAUTOG	7,800	206	400	17	-	-
UNCLASSIFIED, FOR FOOD	7,200	155	4,500	100	-	-
LOBSTERS, NORTHERN	5,100	5,227	328,500	325,522	-	-
CONCHS	100	15	-	-	-	-
TURTLES, SNAPPER	-	-	-	-	41,800	$6,665
TOTAL	322,400	103,936	367,800	334,628	41,800	6,665

SPECIES	GILL NETS ANCHOR, SET OR STAKE		DRIFT SHAD		OTHER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	2,100	$63	-	-	-	-
BLUEFISH	-	-	-	-	198,900	$36,691
BONITO	-	-	-	-	1,700	298
BUTTERFISH	-	-	-	-	500	105
CATFISH	-	-	-	-	200	30
COD	-	-	-	-	200	23
DRUM, BLACK	-	-	-	-	1,800	161
HERRING, SEA	-	-	-	-	900	28
MACKEREL, ATLANTIC	-	-	500	$66	75,000	10,018
MENHADEN	6,500	195	-	-	86,600	2,805
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	4,000	809
SHAD	121,800	14,616	4,800	548	100	4
SHARKS:						
GRAYFISH	-	-	5,000	150	-	-
UNCLASSIFIED	-	-	-	-	100	6
SPOT	-	-	-	-	200	40
STRIPED BASS	27,100	5,421	9,900	2,080	1,400	211
TAUTOG	-	-	-	-	200	21
TUNA, BLUEFIN	-	-	-	-	2,300	275
WHITE PERCH	13,600	1,677	13,300	2,261	3,100	487
WHITING	-	-	100	10	2,500	150
UNCLASSIFIED, FOR FOOD	-	-	-	-	200	33
TOTAL	171,100	21,972	33,600	5,115	379,900	52,195

(CONTINUED ON NEXT PAGE)

NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	GILL NETS - CONTINUED		LINES			
	RUNAROUND		HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	293,700	$38,352	5,800	$1,215	2,300	$398
BUTTERFISH	300	48	300	55	-	-
CATFISH	-	-	1,400	196	-	-
COD	-	-	1,200	250	-	-
DRUM, BLACK	-	-	2,400	180	-	-
FLOUNDER, BLACKBACK	-	-	400	60	-	-
KING WHITING OR "KINGFISH"	700	169	100	8	-	-
MACKEREL, ATLANTIC	-		6,900	650	-	-
MENHADEN	1,400	102	-	-	-	-
SCUP OR PORGY	700	220	200	10	-	-
SEA BASS	-	-	800	223	-	-
SEA TROUT OR WEAKFISH, GRAY	9,500	2,166	9,400	2,306	-	-
SPOT	-	-	700	139	-	-
STRIPED BASS	41,400	10,905	600	150	1,000	184
STURGEON, COMMON	300	46	-	-	-	-
TAUTOG	400	33	-	-	-	-
TUNA, LITTLE	600	59	-	-	-	-
WHITE PERCH	-	-	6,900	1,532	-	-
UNCLASSIFIED, FOR FOOD	200	29	-	-	-	-
TOTAL	349,200	52,129	37,100	6,974	3,300	582

SPECIES	LINES - CONTINUED		HARPOONS, SWORDFISH		SPEARS	
	LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	81,600	$11,803	-	-	-	-
EEL, COMMON	-	-	-	-	1,500	$311
MARLIN	100	9	-	-	-	-
SWORDFISH	29,800	13,070	700	$308	-	-
TUNA, BLUEFIN	2,000	380	-	-	-	-
TOTAL	113,500	25,262	700	308	1,500	311

SPECIES	DREDGES					
	CLAM		CONCH		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:						
BLACKBACK	-	-	1,100	$48	-	-
FLUKE	-	-	200	71	-	-
YELLOWTAIL	-	-	1,700	68	-	-
UNCLASSIFIED, FOR FOOD	-	-	100	34	-	-
CRABS, BLUE, HARD	-	-	-	-	14,600	$1,825
CLAMS:						
HARD, PUBLIC	111,200	$55,328	-	-	-	-
SURF	36,038,700	4,278,118	-	-	-	-
CONCHS	130,700	21,460	140,700	27,830	-	-
TOTAL	36,280,600	4,354,906	143,800	28,051	14,600	1,825

SPECIES	DREDGES - CONTINUED				TONGS	
	OYSTER, COMMON		SCALLOP, SEA		OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:						
BLACKBACK	-	-	600	$36	-	-
FLUKE	-	-	4,200	1,481	-	-
GRAYSOLE	-	-	200	17	-	-
YELLOWTAIL	-	-	1,400	52	-	-
LOBSTERS, NORTHERN	-	-	100	72	-	-
CLAMS, HARD, PRIVATE	1,400	$710	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	-	-	11,000	$14,400
FALL	-	-	-	-	1,500	1,500
PRIVATE:						
SPRING	48,400	50,479	-	-	2,100	2,736
FALL	914,900	703,008	-	-	80,900	66,439
SCALLOPS, SEA	-	-	314,700	339,468	-	-
SQUID	-	-	200	20	-	-
TOTAL	964,700	754,197	321,400	341,146	95,500	85,075

(CONTINUED ON NEXT PAGE)

NEW JERSEY - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	TONGS - CONTINUED		RAKES		HOES		BY HAND	
	OTHER							
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:								
HARD, PUBLIC	750,700	$414,606	606,600	$333,445	-	-	794,600	$437,759
SOFT, PUBLIC	-	-	-	-	36,600	$18,225	34,900	17,375
CONCHS	-	-	-	-	-	-	13,300	2,661
TERRAPIN	-	-	1,600	640	-	-	-	-
TURTLES:								
SNAPPER	-	-	10,000	1,600	-	-	-	-
UNCLASSIFIED	-	-	800	48	-	-	-	-
TOTAL	750,700	414,600	619,000	335,733	36,600	18,225	842,800	457,795

DELAWARE

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE
		FISH	TURTLE	CRAB	EEL	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	-	1	-	24	6	11
CASUAL	2	4	3	8	3	55
TOTAL	2	5	3	32	9	66
BOATS, MOTOR	1	5	3	20	6	38
GEAR:						
NUMBER	1	8	18	1,877	115	96
LENGTH, YARDS	33	-	-	-	-	-
SQUARE YARDS	-	-	-	-	-	29,550

ITEM	LINES		DREDGES			TONGS
	HAND	LONG OR SET WITH HOOKS	CLAM	CRAB	OYSTER, COMMON	OYSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	2	22	4	11	-
ON BOATS AND SHORE:						
REGULAR	-	-	-	-	2	5
CASUAL	13	-	-	-	-	20
TOTAL	13	2	22	4	13	25
VESSELS, MOTOR	-	1	6	1	2	-
GROSS TONNAGE	-	11	452	30	56	-
BOATS, MOTOR	6	-	-	-	2	25
GEAR:						
NUMBER	64	2	7	2	6	25
YARDS AT MOUTH	-	-	14	3	10	-
HOOKS OR BAITS	64	4,500	-	-	-	-

ITEM	TONGS-CONTINUED	RAKES	HOOKS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	39
ON BOATS AND SHORE:					
REGULAR	65	25	-	12	104
CASUAL	108	147	4	85	319
TOTAL	173	172	4	97	462
VESSELS, MOTOR	-	-	-	-	10
GROSS TONNAGE	-	-	-	-	549
BOATS, MOTOR	155	-	-	-	232
GEAR, NUMBER	173	172	4	-	-

DELAWARE - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS			
			FISH		TURTLE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS . . .	-	-	200	$24	-	-
EEL, COMMON	9,000	$1,080	-	-	-	-
FLOUNDER, BLACKBACK	-	-	1,600	200	-	-
TURTLES, SNAPPER.	-	-	-	-	9,600	$1,760
TOTAL.	9,000	1,080	1,800	224	9,600	1,760

SPECIES	POTS AND TRAPS				GILL NETS, ANCHOR, SET OR STAKE	
	CRAB		EEL			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP.	-	-	-	-	5,000	$200
EEL, COMMON	-	-	35,200	$4,224	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	9,300	1,302
SHAD.	-	-	-	-	18,400	1,976
STRIPED BASS.	-	-	-	-	41,700	8,042
WHITE PERCH	-	-	-	-	8,600	1,290
CRABS, BLUE:						
HARD.	462,000	$57,300	-	-	-	-
SOFT AND PEELER	2,600	1,651	-	-	-	-
TOTAL.	464,600	58,951	35,200	4,224	83,000	12,810

SPECIES	LINES				DREDGES	
	HAND		LONG OR SET WITH HOOKS		CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	2,000	$200	-	-
SEA TROUT OR WEAKFISH, GRAY	12,000	$1,800	-	-	-	-
CLAMS:						
HARD, PRIVATE	-	-	-	-	38,600	$15,994
SURF.	-	-	-	-	2,756,700	324,320
TURTLES, SNAPPER.	5,800	870	-	-	-	-
TOTAL.	17,800	2,670	2,000	200	2,795,300	340,314

SPECIES	DREDGES - CONTINUED				TONGS	
	CRAB		OYSTER, COMMON		OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, HARD	47,700	$4,772	-	-	-	-
OYSTERS, MARKET:						
PUBLIC, FALL.	-	-	-	-	9,600	$5,184
PRIVATE:						
SPRING.	-	-	13,800	$15,322	-	-
FALL.	-	-	27,300	17,508	-	-
TOTAL.	47,700	4,772	41,100	32,830	9,600	5,184

SPECIES	TONGS - CONTINUED		RAKES		HOOKS		BY HAND	
	OTHER							
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	48,300	$26,712	39,100	$21,896	-	-	9,500	$5,320
TERRAPIN.	-	-	-	-	500	$200	-	-
TURTLE, SNAPPER	-	-	-	-	700	140	-	-
TOTAL.	48,300	$26,712	39,100	21,896	1,200	340	9,500	5,320

MIDDLE ATLANTIC FISHERIES

HUDSON RIVER SHAD FISHERY

The Hudson River run of shad yielded a commercial catch of 65,251 fish weighing 243,104 pounds, worth $32,240 to the fishermen. This was a decline of 4 percent in poundage and 30 percent in value compared with 1968. Fishermen received an average price of 13 cents per pound--5 cents less than in 1968. In 1969, 76 fishermen operated in the Hudson River commercial shad fishery--a decline of 5 fishermen compared with the previous year.

Statistics on the 1969 operating units and catch of shad in the Hudson River by New York and New Jersey fishermen are included in the operating unit and landings data for those States.

SUMMARY OF HUDSON RIVER OPERATING UNITS AND LANDINGS, 1969

ITEM	NEW YORK			NEW JERSEY			TOTAL		
OPERATING UNITS	NUMBER			NUMBER			NUMBER		
FISHERMEN, ON BOATS AND SHORE:									
REGULAR	4			2			6		
CASUAL	64			6			70		
TOTAL	68			8			76		
BOATS, MOTOR	33			2			35		
GEAR, GILL NETS:									
ANCHOR, SET OR STAKE	31			2			33		
SQUARE YARDS	58,125			3,084			61,209		
DRIFT	22			-			22		
SQUARE YARDS	71,390			-			71,390		
LANDINGS	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE	NUMBER	POUNDS	VALUE
SHAD, GILL NETS:									
ANCHOR, SET OR STAKE	15,879	58,712	$9,101	31,107	120,428	$14,451	46,986	179,140	$23,552
DRIFT	18,265	63,964	8,688	-	-	-	18,265	63,964	8,688
TOTAL	34,144	122,676	17,789	31,107	120,428	14,451	65,251	243,104	32,240

NOTE:--DATA REPRESENT LANDINGS IN THE HUDSON RIVER BETWEEN WEEHAWKEN, N.J. AND HUDSON, N.Y.

SECTION 4 - CHESAPEAKE FISHERIES

Commercial landings of fish and shellfish in the Chesapeake States (Maryland and Virginia) were 354.1 million pounds worth $36.1 million--83.8 million pounds and $449,000 less than in 1968. Landings of butterfish, scup, sea bass, striped bass, swellfish, white perch, blue crabs, and all species of clams increased significantly, but landings of menhaden, alewives, sea trout, spot, fluke, oysters, and sea scallops declined compared with 1968.

Virginia landings of 279.3 million pounds worth $17.9 million were 79 percent of the volume and 50 percent of the value in the Chesapeake area. Menhaden were 64 percent of the Virginia catch, followed by hard blue crabs (12 percent), and alewives (11 percent). Hard blue crabs were 31 percent of the Maryland landings, oysters were 20 percent, and soft and surf clams together were 20 percent.

Fishermen and vessels. There were 17,144 fishermen operating 1,519 vessels of 5 net tons or more, 9,936 motor boats, and 622 other boats. Compared with 1968, this was an increase of 1,726 fishermen, 109 vessels, 822 motor boats, and 122 other boats.

Menhaden. The catch of 181.7 million pounds declined 34 percent compared with 1968, and was the smallest harvest since 1953. The smaller catch reflected the sharp decline in menhaden landings that has prevailed generally along the entire east coast in recent years. Most of the catch (76 percent) was taken from the Chesapeake Bay. Purse Seiners took 161.7 million pounds (89 percent) of menhaden. The rest was taken by pound nets, haul seines, gill nets, and fyke and hoop nets.

Blue crabs. Landings of hard blue crabs were 56.7 million pounds worth $5.4 million--a gain of 5 percent in volume but a decline of 11 percent in value compared with 1968. The Maryland catch of 23.0 million pounds was 146 percent greater than in 1968, but the Virginia catch (33.7 million pounds) declined 25 percent.

The hard blue crab harvest during the first 7 months of 1969 was down sharply because the fishery depended on the 1967 year class, which had a poor survivor rate in the winter of 1967-1968. (Production in the second half of 1968 had been affected adversely for the same reason.) The 1969 landings improved during the last 5 months of the year when the crabs of the 1968 year class were large enough to be caught legally by fishermen. Virginia officials placed the dredge crab limit at 25 barrels per day, but few boats reached that quota in the season from January to March. Exvessel prices were a record $12 per 100-pound barrel in early January, increasing to $18 or $20 per barrel in February, and to a high of $24 per barrel in March. When the pot and trotline season opened, prices declined to an average of $12 to $15 per barrel. They remained about the same until late July when catches improved and prices dropped to $5 to $6 per barrel. In the basket trade, crab prices were accordingly high--reaching the peak in late May when prices of $23 per bushel were occasionally reported. The average, however, was from $10 to $12 per bushel. In August, when the 1968 hatch of crabs approached market size, the industry lowered the usual 6-inch size requirement to 5-3/4 inches to meet the demand. Crab meat prices for the first 7 months averaged from 25 cents to $1 more per pound than during the corresponding months of 1968. Prices during the last 5 months, however, were 25 to 50 cents less than in the same months of 1968.

Landings of soft and peeler blue crabs were 4.2 million pounds worth $1.6 million--an increase of 134 percent in volume and 111 percent in value compared with the previous year. The large 1968 class provided ample peeler crabs in the spring and summer as the crabs grew larger through successive molts.

468-530

Table 1 - Wholesale crab meat prices
f.o.b. Hampton, Va., 1969

Month	Backfin lump	Regular	Claw
	Dollars per pound	Dollars per pound	Dollars per pound
January	3.25-3.75	1.90-2.25	1.50-1.55
February	3.25-3.40	2.00-2.10	1.50-1.55
March	3.50-3.75	2.00-2.25	1.60-1.65
April	3.10-3.75	1.90-2.25	1.50-1.65
May	2.90-3.20	1.85-2.10	1.50-1.65
June	3.00-3.25	2.00-2.15	1.55-1.65
July	2.75-3.25	1.75-2.10	1.40-1.65
August	2.25-2.75	1.65-1.75	1.30-1.45
September	2.30-2.65	1.50-1.60	1.25-1.40
October	2.30-2.50	1.45-1.60	1.30-1.40
November	2.45-2.55	1.45-1.60	1.25-1.40
December	2.40-2.45	1.40-1.45	1.25-1.30

Source:--The BCF's Market News Service, Hampton, Va.

Alewives. Landings of 33.9 million pounds were 7 percent less than in 1968. Fishermen attributed the smaller catch to unusually cold weather that delayed early migration of the fish along the Virginia coast. Alewives continued to rank third in volume of landings in the Chesapeake area.

Oysters. Landings of 22.2 million pounds of oyster meats worth $14.0 million declined more than 500,000 pounds and $1.3 million compared with 1968. Oysters accounted for 39 percent of the total exvessel value of the fisheries of the Chesapeake States.

The Virginia catch declined for the fifth consecutive year because the Minchinia nelsoni (MSX) organism continued to decimate the oyster beds. Virginia landings of 7.4 million pounds were the smallest on record.

Unfavorable weather in January and February caused a production decline that resulted in temporary price increases. By fall, prices were somewhat lower. The price of oysters per gallon averaged from about 25 to 75 cents more than in 1968--averaging $8.50 for standards and $9.50 for selects. The greater cost of processing, especially the cost of labor, was the principal reason for the increase. The rate paid to shuckers increased by 15 to 20 cents per gallon to $1.75 or $1.80 per gallon. The yield of oysters was generally good, averaging from 6-1/2 to 7 pints per State bushel--slightly better than in the previous year.

The Potomac River landings increased 17 percent compared with 1968. The greater landings resulted largely from increased fishing effort as tongers from the James River area entered the fishery and fished 5 days a week. In 1968, it was illegal for fishermen to tong more than 3 days a week during October and November.

The Virginia seed oyster fishery had a poor season and produced only 442,,500 bushels--37 percent less than in 1968. In the James River, seed oyster production declined 50 percent. In the Great Wicomico River and along the eastern shore, however, the harvests were better than in 1968.

Table 2 - Wholesale shucked oyster prices
f.o.b. Hampton, Va., 1969

Month	Standards 1/	Selects 2/
	Dollars per gallon	Dollars per gallon
January	8.50	9.50
February	8.50	9.50
March	8.25-8.50	9.25-9.50
April	8.25-8.50	9.25-9.50
May	8.25-8.50	9.25-9.50
June	8.25-8.75	9.25-9.75
July	8.50	9.50
August	8.00-8.50	9.00-9.50
September	8.50-9.00	9.50-10.00
October	8.25-9.00	9.25-10.00
November	8.25-8.50	9.25-9.50
December	8.50	9.50

1/ About 300 to 500 oysters a gallon.

2/ About 210 to 300 oysters a gallon.

Source:--The BCF's Market News Service,
Hampton, Va.

Soft clams. Landings of 7.9 million pounds of soft clam meats were second only to the record 8.2 million pounds taken in 1964. The value was a record $2.8 million. The entire production came from Maryland waters as Virginia has only small stocks of soft clams. Costs increased in the fishery during 1969. Exvessel prices averaged $4 per bushel until September when they increased to $5 per bushel. Prices per gallon for soft clam meats averaged $7.25 most of the year but in September increased to $8.25. Some of the gain in cost per gallon was caused by increases ranging from 50 cents to $2.50 per gallon in the cost of labor for shucking clams.

Surf clams. The fishery continued to gain in importance with a record catch of 7.3 million pounds of surf clam meats worth nearly $918,000. More vessels began to land in the area as the fishery gradually moved south along the coast. In Maryland, 17 vessels landed at Ocean City--compared with 10 in 1968. In Virginia, a few New Jersey vessels landed at Chincoteague and Oyster. Two shucking plants operated in Maryland and three in Virginia in 1969. Exvessel prices for surf clams increased during the year for both inshore and offshore clams.

Hard clams. Landings of 2.7 million pounds of hard clam meats were worth a record $1.7 million--a gain of 13 percent in volume and 23 percent in value compared with 1968. Increased fishing effort was the principal reason for the greater landings--52 hydraulic dredge boats operated in Maryland compared with 40 in 1968. Exvessel prices improved in 1969, averaging from $18 to $22 per thousand clams compared with $16 to $18 per thousand in 1968.

Sea scallops. Virginia landings of 1.4 million pounds of sea scallop meats worth $1.5 million declined 35 percent in both volume and value compared with 1968. The catch was the smallest since 1964. Declining stocks of sea scallops and less fishing effort were the principal reasons for the smaller catch. In 1969, 20 vessels were in the sea scallop fishery and made 201 trips. In 1968, 27 vessels made 295 trips. The average trip in 1969 landed 6,800 pounds of meats--compared with 7,200 pounds of meats per trip in 1968. The average exvessel price was unchanged--$1.07 per pound for both years.

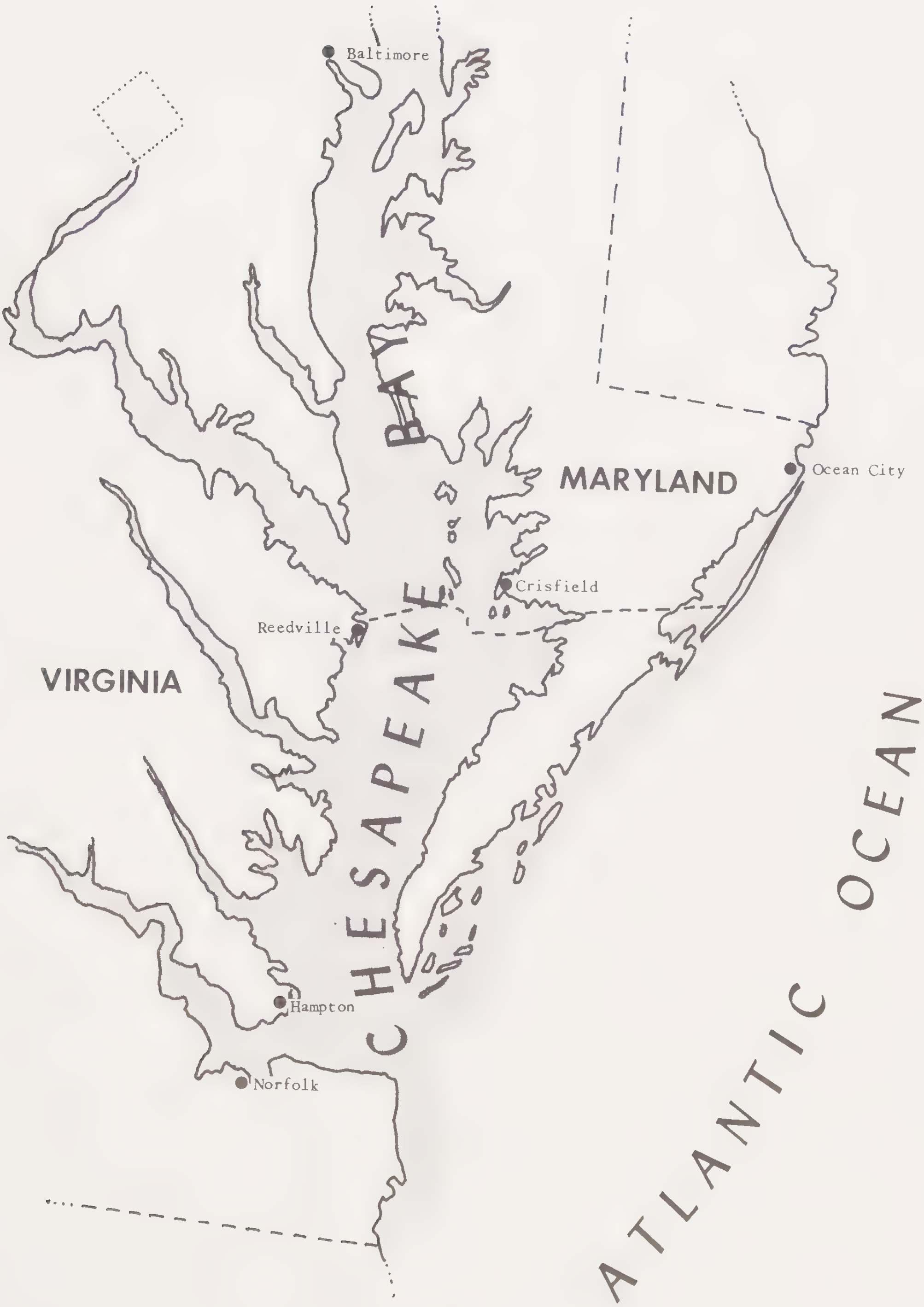
Striped bass. The catch was a record 7.8 million pounds worth a record $1.4 million--a gain of 26 percent in volume and 17 percent in value compared with 1968. Maryland fishermen took 66 percent of the harvest, mostly with gill nets.

Swellfish. Landings were 4.6 million pounds--22 percent greater than in 1968. Pound nets and pots were the principal gear used to take the fish. Swellfish, still relatively inexpensive in the market place, gained popularity as frozen "sea squab."

Other information. Landings of fish and shellfish in the bay and ocean areas of Maryland and Virginia are shown at the end of this section. Additional data may be found in the monthly and annual Maryland and Virginia landings bulletins published by the Statistics and Market News Division in cooperation with the respective States. Information on the daily, monthly, and annual production of fishery products in selected areas of these States is available in reports published by the BCF's Fishery Market News Office at Hampton, Va.

Acknowledgments. The following organizations helped collect the data appearing in this section: Maryland Department of Chesapeake Bay Affairs, Natural Resources Institute of the University of Maryland; Virginia Marine Resources Commission, Virginia Institute of Marine Science; Potomac River Fisheries Commission.

CHESAPEAKE FISHERIES


Baltimore
BAY
MARYLAND
Ocean City
Crisfield
Reedville
VIRGINIA
CHESAPEAKE
ATLANTIC OCEAN
Hampton
Norfolk

CHESAPEAKE STATES

CHESAPEAKE FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MARYLAND	19	2	56	16	75	18
VIRGINIA	232	6	47	12	279	18
TOTAL	251	8	103	28	354	36

SUMMARY OF OPERATING UNITS, 1969

ITEM	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	1,339	2,789	4,066
ON BOATS AND SHORE:			
REGULAR	4,022	3,203	7,225
CASUAL	3,990	1,863	5,853
TOTAL	9,351	7,855	17,144
VESSELS:			
MOTOR	654	852	1,476
GROSS TONNAGE	6,821	21,109	27,176
SAIL	43	-	43
GROSS TONNAGE	511	-	511
TOTAL VESSELS	697	852	1,519
TOTAL GROSS TONNAGE	7,332	21,109	27,687
BOATS:			
MOTOR	6,705	3,231	9,936
OTHER	204	418	622
GEAR:			
HAUL SEINES, COMMON	89	137	226
LENGTH, YARDS	39,000	71,510	110,510
PURSE SEINES,			
MENHADEN	-	27	27
LENGTH, YARDS	-	10,160	10,160
OTTER TRAWLS:			
FISH	23	74	87
YARDS AT MOUTH	585	1,976	2,309
LOBSTER	-	7	7
YARDS AT MOUTH	-	210	210
POUND NETS:			
FISH	200	714	914
CRAB	52	2,279	2,331
FYKE AND HOOP NETS:			
FISH	214	271	485
TURTLE	41	-	41
POTS AND TRAPS:			
CRAB	77,150	153,045	229,995
EEL	9,148	11,433	20,581
FISH	2,306	12,332	14,638
TURTLE	64	248	312
GILL NETS:			
ANCHOR, SET OR STAKE	1,499	1,175	2,674
SQUARE YARDS	2,038,070	577,100	2,615,170
DRIFT:			
SHAD	-	201	201
SQUARE YARDS	-	142,200	142,200
OTHER	497	362	858
SQUARE YARDS	968,970	206,140	1,166,610
LINES:			
HAND	495	946	1,441
HOOKS	495	946	1,441
LONG OR SET WITH HOOKS	6	48	54
HOOKS	450	10,435	10,885
TROT WITH BAITS	3,216	47	3,263
BAITS	1,011,445	27,900	1,039,345
DIP NETS, COMMON	86	106	192
SCRAPES	188	160	348
YARDS AT MOUTH	188	173	361

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
GEAR - CONTINUED:	NUMBER	NUMBER	NUMBER
DREDGES:			
CLAM.	273	28	299
YARDS AT MOUTH. . . .	287	43	327
CRAB.	-	300	300
YARDS AT MOUTH. . . .	-	511	511
OYSTER, COMMON.	145	271	415
YARDS AT MOUTH. . . .	165	300	464
SCALLOP, SEA.	-	82	82
YARDS AT MOUTH. . . .	-	267	267
OTHER	2	-	2
YARDS AT MOUTH. . . .	4	-	4
TONGS:			
OYSTER.	4,045	2,695	6,734
OTHER	49	492	541
RAKES	-	58	58
HOOKS	11	-	11

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES.	3,458	69	30,446	608	33,904	677
BLUEFISH.	54	7	223	25	277	32
BONITO.	-	-	1	(1)	1	(1)
BUTTERFISH.	31	3	1,112	85	1,143	88
CABIO	-	-	3	(1)	3	(1)
CARP.	122	3	154	4	276	7
CATFISH AND BULLHEADS . . .	237	25	1,344	178	1,581	203
COD	13	1	23	2	36	3
CRAPPIE	2	(1)	-	-	2	(1)
CROAKER	(1)	(1)	63	10	63	10
DRUM:						
BLACK	3	(1)	110	7	113	7
RED	(1)	(1)	1	(1)	1	(1)
EEL, COMMON	313	39	762	128	1,075	167
FLOUNDERS:						
BLACKBACK	60	4	394	27	454	31
FLUKE	203	69	1,508	479	1,711	548
UNCLASSIFIED.	-	-	5	(1)	5	(1)
GARFISH	(1)	(1)	-	-	(1)	(1)
GIZZARD SHAD.	15	(1)	3	(1)	18	(1)
HAKE, RED	11	(1)	5	(1)	16	(1)
HARVESTFISH	-	-	2	(1)	2	(1)
HERRING, SEA.	-	-	56	1	56	1
HICKORY SHAD.	20	2	107	3	127	5
HOGCHOKER	7	(1)	-	-	7	(1)
KING WHITING OR "KINGFISH".	3	(1)	36	5	39	5
MACKEREL:						
ATLANTIC.	30	4	246	22	276	26
KING.	-	-	2	(1)	2	(1)
SPANISH	1	(1)	123	18	124	18
MENHADEN.	3,456	98	178,195	2,724	181,651	2,822
MULLET, BLACK (LISA). . . .	3	(1)	1	(1)	4	(1)
PIGFISH	-	-	7	1	7	1
PIKE OR PICKEREL.	6	1	-	-	6	1
POMPANO	(1)	(1)	-	-	(1)	(1)
SCUP OR PORGY	49	5	2,858	390	2,907	395
SEA BASS.	147	36	1,770	304	1,917	340
SEA ROBIN	86	1	1	(1)	87	1
SEA TROUT OR WEAKFISH:						
GRAY.	175	16	870	96	1,045	112
SPOTTED	-	-	19	4	19	4
SHAD.	1,292	125	2,248	166	3,540	291
SHARKS:						
GRAYFISH.	17	1	70	2	87	3
UNCLASSIFIED.	114	2	-	-	114	2
SPOT.	21	2	1,049	139	1,070	141
STRIPED BASS.	5,088	910	2,671	517	7,759	1,427
STURGEON, COMMON.	6	1	19	3	25	4
SUCKERS	(1)	(1)	-	-	(1)	(1)
SUNFISH	4	(1)	-	-	4	(1)
SWELLFISH	1,462	49	3,131	103	4,593	152

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SWORDFISH	-	-	7	4	7	4
TAUTOG	1	(1)	(1)	(1)	1	(1)
TILEFISH	-	-	(1)	(1)	(1)	(1)
TUNA, UNCLASSIFIED	-	-	1	(1)	1	(1)
WHITE PERCH	2,153	350	551	77	2,704	427
WHITING	34	3	35	3	69	6
YELLOW PERCH	123	16	-	-	123	16
UNCLASSIFIED:						
FOR FOOD	3	(1)	107	5	110	5
FOR BAIT, REDUCTION, AND ANIMAL FOOD	9	(1)	1,434	22	1,443	22
TOTAL FISH	18,832	1,842	231,773	6,162	250,605	8,004
SHELLFISH, ETC.						
CRABS, BLUE:						
HARD	23,014	2,197	33,640	3,177	56,654	5,374
SOFT AND PEELER	2,251	933	1,971	706	4,222	1,639
TOTAL CRABS	25,265	3,130	35,611	3,883	60,876	7,013
LOBSTERS, NORTHERN	26	21	181	123	207	144
CLAMS:						
HARD:						
PUBLIC	794	463	1,799	1,135	2,593	1,598
PRIVATE	-	-	104	65	104	65
SOFT, PUBLIC	7,910	2,800	-	-	7,910	2,800
SURF	7,127	894	208	24	7,335	918
TOTAL CLAMS	15,831	4,157	2,111	1,224	17,942	5,381
CONCHS	99	15	208	19	307	34
OYSTERS, MARKET:						
PUBLIC:						
SPRING	4,696	2,946	1,849	1,229	6,545	4,175
FALL	9,313	5,382	2,387	1,587	11,700	6,969
PRIVATE:						
SPRING	457	400	1,312	889	1,769	1,289
FALL	255	282	1,888	1,280	2,143	1,562
TOTAL OYSTERS	14,721	9,010	7,436	4,985	22,157	13,995
SCALLOPS, SEA	-	-	1,378	1,474	1,378	1,474
SQUID	14	1	375	19	389	20
TERRAPIN	1	1	3	2	4	3
TURTLES, SNAPPER	42	7	175	35	217	42
TOTAL SHELLFISH, ETC.	55,999	16,342	47,478	11,764	103,477	28,106
GRAND TOTAL	74,831	18,184	279,251	17,926	354,082	36,110

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--STATISTICS ON THE LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS, CONCHS, AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS, IN WEIGHT OF EDIBLE MEATS.

CHESAPEAKE FISHERIES

LANDINGS OF CERTAIN SHELLFISH, 1969

(U.S. STANDARD BUSHELS)

SPECIES	MARYLAND		VIRGINIA		TOTAL	
	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE
CLAMS:						
HARD:						
PUBLIC.	99,312	$463,199	224,875	$1,135,111	324,187	$1,598,310
PRIVATE	-	-	13,025	64,787	13,025	64,787
SOFT, PUBLIC.	659,125	2,800,344	-	-	659,125	2,800,344
SURF.	419,229	893,618	12,259	23,818	431,488	917,436
CONCHS.	4,975	14,835	10,390	19,094	15,365	33,929
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	966,255	2,946,186	383,714	1,229,230	1,349,969	4,175,416
FALL.	1,851,531	5,381,868	511,092	1,587,362	2,362,623	6,969,230
PRIVATE:						
SPRING.	90,515	400,402	299,521	889,554	390,036	1,289,956
FALL.	48,185	282,110	447,488	1,279,821	495,673	1,561,931
SCALLOPS, SEA	-	-	229,667	1,474,434	229,667	1,474,434

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1969

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

SPECIES	MARYLAND	VIRGINIA
	POUNDS	POUNDS
CLAMS:		
HARD:		
PUBLIC.	8.00	8.00
PRIVATE	-	8.00
SOFT, PUBLIC.	12.00	-
SURF.	17.00	17.00
CONCHS.	20.00	20.00
OYSTERS, MARKET:		
PUBLIC:		
SPRING.	4.86	4.82
FALL.	5.03	4.67
PRIVATE:		
SPRING.	5.05	4.38
FALL.	5.29	4.22
SCALLOPS, SEA	-	6.00

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

PROCESSED FISHERY PRODUCTS, 1969

ITEM		MARYLAND		VIRGINIA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
CANNED:					
FISH	STANDARD CASES	-	-	(1)	(1)
ROE	DO	-	-	17,945	$206,739
SALTED:					
WHOLE WITH ROE	POUNDS	-	-	(2)	(2)
WHOLE AND FILLETS	DO	-	-	2,266,165	370,423
MEAL AND SCRAP	TONS	-	-	(1)	(1)
ANCHOVY PASTE, CANNED	STANDARD CASES	(1)	(1)	-	-
COD SPECIALTIES, FROZEN (CAKES, BREADED RAW)	POUNDS	-	-	(1)	(1)
FLOUNDER:					
DRESSED, FROZEN	DO	-	-	(1)	(1)
FILLETS, FRESH AND FROZEN	DO	-	-	(1)	(1)
SPECIALTIES, FROZEN (STUFFED, BREADED RAW)	DO	(1)	(1)	-	-
HERRING, SEA SPECIALTIES, CURED AND REFRIGERATED (BISMARKS, PARTY SNACKS, ETC.)	DO	(1)	(1)	-	-
MENHADEN:					
MEAL AND SCRAP	TONS	-	-	(1)	(1)
OIL	1,000 POUNDS	-	-	(1)	(1)
SOLUBLES	TONS	-	-	(1)	(1)
SEA TROUT, DRESSED FROZEN	POUNDS	-	-	(1)	(1)
SHAD, CANNED	STANDARD CASES	-	-	(1)	(1)
TUNA:					
SPECIALTIES, FROZEN (PIES AND PATTIES)	POUNDS	(1)	(1)	(1)	(1)
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
ANIMAL FOOD	DO	(1)	(1)	-	-
MEAL AND SCRAP	TONS	(1)	(1)	-	-
CRABS, BLUE:					
FRESH AND FROZEN:					
COOKED MEAT	POUNDS	2,983,067	$5,612,531	3,413,841	5,782,990
SPECIALTIES:					
BREADED RAW AND COOKED:					
CAKES AND PATTIES	DO	256,124	280,183	435,500	495,650
DEVILED	DO	734,185	588,756	(1)	(1)
OTHER (COCKTAILS, REFRIGERATED, CUTLETS, STICKS, ETC.)	DO	176,616	127,712	-	-
CANNED (SOUP)	STANDARD CASES	(1)	(1)	-	-
MEAL AND SCRAP	TONS	2,110	124,500	3,443	162,131
LOBSTERS, NORTHERN AND SPINY, CANNED (SOUP)	STANDARD CASES	(1)	(1)	-	-
SHRIMP:					
FRESH AND FROZEN:					
BREADED, RAW AND COOKED	POUNDS	(1)	(1)	292,330	326,396
SPECIALTIES (BURGERS, CREOLES, PATTIES, CURRIES, ETC.)	DO	552,450	442,847	(1)	(1)
CANNED (SOUP)	STANDARD CASES	(1)	(1)	-	-
CLAMS:					
FRESH AND FROZEN:					
SHUCKED:					
HARD AND SURF	GALLONS	(1)	(1)	297,664	1,034,212
SOFT	DO	563,790	4,262,357	-	-
SPECIALTIES:					
BREADED, RAW AND COOKED	POUNDS	2,965,590	2,931,801	-	-
OTHER (CAKES, STICKS, PATTIES, ETC.)	DO	(1)	(1)	-	-
CANNED (MINCED, CHOWDER AND IN SHELL)	STANDARD CASES	(1)	(1)	-	-
OYSTERS:					
FRESH AND FROZEN					
SHUCKED	GALLONS	848,963	6,982,256	1,399,222	11,296,334
STEAMED	POUNDS	-	-	(1)	(1)
SPECIALTIES:					
BREADED, RAW AND COOKED	DO	(1)	(1)	621,800	803,800
SHELL, GRIT AND LIME	TONS	(1)	(1)	(1)	(1)
SCALLOPS, SEA, BREADED, RAW AND COOKED	POUNDS	(1)	(1)	482,050	659,650

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		MARYLAND		VIRGINIA	
		QUANTITY	VALUE	QUANTITY	VALUE
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED FISH:					
STICKS, BREADED:					
RAW	POUNDS	(1)	(1)	-	-
COOKED.	DO	(1)	(1)	-	-
PORTIONS:					
RAW:					
NOT BREADED	DO	(1)	(1)	-	-
BREADED	DO	(1)	(1)	(1)	(1)
BREADED AND COOKED.	DO	(1)	(1)	-	-
FISH AND SHELLFISH.	DO	47,668,017	$21,182,853	1,066,432	$981,244
CANNED.	STANDARD CASES	661,720	8,678,158	121,766	708,139
CURED	POUNDS	(1)	(1)	-	-
INDUSTRIAL.	-	-	(1)	-	4,885,745
TOTAL.	-	-	51,213,954	-	27,713,453

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH
2/ A SMALL PRODUCTION OF SALTED ALEWIVES WITH ROE HAS BEEN INCLUDED WITH SALTED FISH.

NOTE:--SOME OF THE PRODUCTS MAY HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	36,729
FROZEN.	22,910
CANNED.	9,593
CURED	3,670
INDUSTRIAL.	6,025
TOTAL.	78,927

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
MARYLAND.	51,214
VIRGINIA.	27,713
TOTAL.	78,927

WHOLESALING AND PROCESSING, 1969

ITEM	MARYLAND	VIRGINIA	TOTAL
	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:			
ESTABLISHMENTS.	250	306	556
PERSONS ENGAGED:			
AVERAGE FOR SEASON.	4,937	5,328	10,265
AVERAGE FOR YEAR.	3,695	3,565	7,260

CHESAPEAKE FISHERIES

MARYLAND

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	POUND NETS		FYKE AND HOOP NETS	
			FISH	CRAB	FISH	TURTLE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	93	71	95	-	7	-
ON BOATS AND SHORE:						
REGULAR	198	-	160	18	29	10
CASUAL.	137	-	46	-	49	8
TOTAL	428	71	301	18	85	18
VESSELS, MOTOR.	18	23	19	-	5	-
GROSS TONNAGE	157	900	179	-	41	-
BOATS:						
MOTOR	83	-	60	18	58	16
OTHER	75	-	56	-	-	-
GEAR:						
NUMBER.	89	23	200	52	214	41
LENGTH, YARDS	39,000	-	-	-	-	-
YARDS AT MOUTH.	-	585	-	-	-	-

ITEM	POTS AND TRAPS				GILL NETS	
	CRAB	EEL	FISH	TURTLE	ANCHOR, SET OR STAKE	DRIFT
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	201	2	6	-	194	115
ON BOATS AND SHORE:						
REGULAR	489	190	4	10	522	176
CASUAL.	194	82	-	4	650	361
TOTAL	884	274	10	14	1,366	652
VESSELS, MOTOR.	190	2	3	-	113	63
GROSS TONNAGE	1,512	16	38	-	1,016	624
BOATS:						
MOTOR	653	263	2	11	774	379
OTHER	-	-	-	-	906	-
GEAR:						
NUMBER.	77,150	9,148	2,306	64	1,499	497
SQUARE YARDS.	-	-	-	-	2,038,070	968,970

ITEM	LINES			DIP NETS, COMMON	SCRAPES	DREDGES
	HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS			CLAM
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	140	-	-	296
ON BOATS AND SHORE:						
REGULAR	16	3	1,406	8	170	268
CASUAL.	279	3	1,673	78	18	-
TOTAL	295	6	3,219	86	188	564
VESSELS, MOTOR.	-	-	137	-	-	139
GROSS TONNAGE	-	-	1,058	-	-	1,866
BOATS:						
MOTOR	97	6	2,781	3	188	134
OTHER	-	-	-	73	-	-
GEAR:						
NUMBER.	495	6	3,216	86	188	273
YARDS AT MOUTH.	-	-	-	-	188	287
HOOKS OR BAITS.	495	450	1,011,445	-	-	-

(CONTINUED ON NEXT PAGE)

MARYLAND - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	DREDGES - CONTINUED		TONGS		HOOKS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER	OYSTER	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	278	-	389	7	-	-	1,339
ON BOATS AND SHORE:							
REGULAR	72	4	2,802	20	4	12	4,022
CASUAL	-	-	854	22	7	15	3,990
TOTAL	350	4	4,045	49	11	27	9,351
VESSELS:							
MOTOR	55	-	320	7	-	-	654
GROSS TONNAGE	636	-	2,420	60	-	-	6,821
SAIL	-	-	43	-	-	-	43
GROSS TONNAGE	-	-	511	-	-	-	511
TOTAL VESSELS	55	-	363	7	-	-	697
TOTAL GROSS TONNAGE	636	-	2,931	60	-	-	7,332
BOATS:							
MOTOR	32	2	3,262	36	-	-	6,705
OTHER	-	-	-	-	-	-	204
GEAR:							
NUMBER	145	2	4,045	49	11	-	-
YARDS AT MOUTH	165	4	-	-	-	-	-

MARYLAND - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS, FISH		POUND NETS	
					FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	7,200	$144	-	-	3,284,500	$65,691
BLUEFISH	900	103	1,800	$186	43,900	5,472
BUTTERFISH	-	-	28,500	2,665	2,700	263
CARP	75,400	2,116	-	-	14,100	379
CATFISH AND BULLHEADS	11,600	1,211	-	-	40,900	4,251
COD	-	-	12,700	1,242	-	-
CROAKER	-	-	400	62	-	-
DRUM:						
BLACK	-	-	-	-	3,200	201
RED	-	-	-	-	400	21
EEL, COMMON	29,900	3,488	-	-	13,100	1,389
FLOUNDERS:						
BLACKBACK	-	-	43,500	2,790	12,800	928
FLUKE	-	-	200,500	68,355	2,700	575
GIZZARD SHAD	-	-	-	-	1,400	39
HAKE, RED	-	-	4,500	102	-	-
HICKORY SHAD	-	-	-	-	300	24
HOGCHOKER	-	-	-	-	7,200	144
KING WHITING OR "KINGFISH"	-	-	2,900	364	-	-
MACKEREL:						
ATLANTIC	-	-	27,100	3,287	-	-
SPANISH	-	-	-	-	1,200	186
MENHADEN	3,600	97	-	-	3,257,500	92,908
PIKE OR PICKEREL	-	-	-	-	300	69
POMPANO	-	-	-	-	300	150
SCUP OR PORGY	-	-	48,500	5,083	-	-
SEA BASS	-	-	6,200	932	-	-
SEA ROBIN	-	-	85,900	1,238	-	-
SEA TROUT OR WEAKFISH, GRAY	200	29	161,300	13,942	7,900	1,334
SHAD	100	7	100	13	113,300	7,583
SHARKS:						
GRAYFISH	-	-	17,300	814	-	-
UNCLASSIFIED	-	-	114,100	2,282	-	-
SPOT	10,900	1,115	3,200	166	4,100	425
STRIPED BASS	197,100	32,670	211,400	45,045	344,100	56,439
STURGEON, COMMON	-	-	5,800	652	-	-
SUCKERS	100	2	-	-	-	-
SUNFISH	800	42	-	-	-	-
SWELLFISH	-	-	2,200	64	264,400	10,034
TAUTOG	-	-	300	10	-	-
WHITE PERCH	301,200	47,779	-	-	358,900	58,501
WHITING	-	-	33,900	2,576	-	-
YELLOW PERCH	5,700	718	-	-	29,900	3,796

(CONTINUED ON NEXT PAGE)

MARYLAND - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS, FISH		POUND NETS	
					FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNCLASSIFIED:						
FOR FOOD.	-	-	1,800	$159	100	$9
FOR BAIT, REDUCTION, AND ANIMAL FOOD.	-	-	7,100	211	-	-
LOBSTERS, NORTHERN.	-	-	21,700	16,374	-	-
CONCHS.	-	-	67,200	9,784	-	-
SQUID	-	-	13,700	1,226	-	-
TERRAPIN, DIAMOND-BACK. . .	200	$90	-	-	500	290
TOTAL	644,900	89,611	1,123,600	179,624	7,809,700	311,101

SPECIES	POUND NETS - CONTINUED		FYKE AND HOOP NETS			
	CRAB		FISH		TURTLE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	-	-	2,000	$40	-	-
CARP.	-	-	5,200	137	-	-
CATFISH AND BULLHEADS . . .	-	-	119,600	12,474	-	-
CRAPPIE	-	-	2,200	124	-	-
EEL, COMMON	-	-	1,600	169	-	-
FLOUNDER, BLACKBACK	-	-	500	36	-	-
PIKE OR PICKEREL.	-	-	1,000	225	-	-
STRIPED BASS.	-	-	4,200	688	-	-
SUCKERS	-	-	200	4	-	-
SUNFISH	-	-	1,000	52	-	-
WHITE PERCH	-	-	78,900	12,861	-	-
YELLOW PERCH.	-	-	53,700	6,629	-	-
CRABS, BLUE:						
HARD.	5,900	$649	-	-	-	-
SOFT AND PEELER	202,700	93,242	-	-	-	-
TURTLES, SNAPPER.	-	-	-	-	19,300	$2,892
TOTAL	208,600	93,891	270,100	33,439	19,300	2,892

SPECIES	POTS AND TRAPS					
	CRAB		EEL		FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP.	-	-	-	-	3,800	$84
CATFISH AND BULLHEADS . . .	-	-	-	-	23,800	2,542
EEL, COMMON	-	-	267,100	$33,760	700	34
HAKE, RED	-	-	-	-	6,200	91
SEA BASS.	-	-	-	-	140,800	34,480
SHAD.	-	-	-	-	300	21
STRIPED BASS.	-	-	-	-	1,300	226
SWELLFISH	1,195,100	$38,723	-	-	-	-
TAUTOG.	-	-	-	-	600	23
WHITE PERCH	-	-	-	-	400	60
CRABS, BLUE:						
HARD.	13,053,200	1,084,900	-	-	-	-
SOFT AND PEELER	161,900	62,679	-	-	-	-
LOBSTERS, NORTHERN.	-	-	-	-	4,800	4,583
TOTAL	14,410,200	1,186,302	267,100	33,760	182,700	42,144

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS			
	TURTLE		ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	-	-	142,900	$2,856	21,200	$424
BLUEFISH.	-	-	1,400	168	100	12
CARP.	-	-	20,000	538	3,600	95
CATFISH AND BULLHEADS . . .	-	-	25,200	2,621	15,800	1,644
EEL, COMMON	-	-	400	44	-	-
FLOUNDERS:						
BLACKBACK	-	-	3,500	252	-	-
FLUKE	-	-	100	21		
GARFISH	-	-	300	12	100	4
GIZZARD SHAD.	-	-	13,300	325	-	-
HICKORY SHAD.	-	-	14,100	1,098	5,300	414
KING WHITING OR "KINGFISH".	-	-	100	19	-	-
MACKEREL, ATLANTIC.	-	-	-	-	2,400	428
MENHADEN.	-	-	195,300	5,274	-	-
MULLET, BLACK (LISA). . . .	-	-	2,700	216	-	-

(CONTINUED ON NEXT PAGE)

MARYLAND - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS AND TRAPS CONTINUED		GILL NETS			
	TURTLE		ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PIKE OR PICKEREL.	-	-	4,600	$1,053	-	-
SEA TROUT OR WEAKFISH, GRAY	-	-	800	136	300	$51
SHAD.	-	-	762,500	73,454	415,900	43,534
SHARKS, GRAYFISH.	-	-	100	4	-	-
STRIPED BASS.	-	-	2,531,600	455,969	1,524,200	246,935
SUCKERS	-	-	-	-	100	1
SUNFISH	-	-	1,900	119	500	30
WHITE PERCH	-	-	918,500	148,055	429,900	69,815
WHITING	-	-	-	-	100	7
YELLOW PERCH.	-	-	31,500	4,112	2,600	330
UNCLASSIFIED, FOR FOOD. . .	-	-	400	22	100	4
TURTLES, SNAPPER.	12,700	$1,921	-	-	-	-
TOTAL	12,700	1,921	4,671,200	696,368	2,422,200	363,728

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	6,000	$1,109	-	-	-	-
CATFISH AND BULLHEADS . . .	-	-	200	$26	-	-
MACKEREL, ATLANTIC.	200	14	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	4,300	207	-	-	-	-
SPOT.	2,500	300	-	-	-	-
STRIPED BASS.	274,300	71,774	-	-	-	-
WHITE PERCH	64,700	12,478	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION AND ANIMAL FOOD.	1,400	28	-	-	-	-
CRABS, BLUE:						
HARD.	-	-	-	-	9,812,800	$1,099,407
SOFT AND PEELER	-	-	-	-	110,100	43,699
TOTAL	353,400	85,910	200	26	9,922,900	1,143,106

SPECIES	DIP NETS, COMMON		SCRAPES		DREDGES	
					CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD.	12,100	$1,599	129,900	$10,481	-	-
SOFT AND PEELER	35,200	16,394	1,740,800	716,569	-	-
CLAMS:						
HARD, PUBLIC.	-	-	-	-	759,500	$442,450
SOFT, PUBLIC.	-	-	-	-	7,909,500	2,800,344
SURF.	-	-	-	-	7,126,900	893,618
CONCHS.	-	-	-	-	32,300	5,051
TOTAL	47,300	17,993	1,870,700	727,050	15,828,200	4,141,463

SPECIES	DREDGES - CONTINUED				TONGS	
	OYSTER		OTHER		OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	1,145,600	$762,399	-	-	3,550,400	$2,183,787
FALL.	1,087,600	651,052	-	-	8,225,600	4,730,816
PRIVATE:						
SPRING.	452,800	397,956	-	-	4,300	2,446
FALL.	219,900	262,481	-	-	35,000	19,629
TERRAPIN, DIAMOND-BACK. . .	-	-	700	$297	-	-
TURTLES, SNAPPER.	-	-	2,100	789	-	-
TOTAL	2,905,900	2,073,888	2,800	1,086	11,815,300	6,936,678

SPECIES	TONGS - CONTINUED		HOOKS		BY HAND	
	OTHER					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	28,000	$16,450	-	-	7,000	$4,299
TURTLES, SNAPPER.	-	-	7,600	$1,150	-	-
TOTAL	28,000	16,450	7,600	1,150	7,000	4,299

CHESAPEAKE FISHERIES

VIRGINIA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS		POUND NETS	
			FISH	LOBSTER	FISH	CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	83	437	302	37	293	6
ON BOATS AND SHORE:						
REGULAR	315	-	-	-	707	247
CASUAL	187	-	-	-	402	119
TOTAL	585	437	302	37	1,402	372
VESSELS, MOTOR	18	27	74	7	58	5
GROSS TONNAGE	156	7,178	5,293	490	693	38
BOATS:						
MOTOR	213	54	-	-	280	324
OTHER	93	-	-	-	337	-
GEAR:						
NUMBER	137	27	74	7	714	2,279
LENGTH, YARDS	71,510	10,160	-	-	-	-
YARDS AT MOUTH	-	-	1,976	210	-	-

ITEM	FYKE AND HOOP NETS, FISH	POTS AND TRAPS				GILL NETS
		CRAB	EEL	FISH	TURTLE	ANCHOR, SET OR STAKE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	357	9	10	-	84
ON BOATS AND SHORE:						
REGULAR	70	841	110	74	9	503
CASUAL	43	274	63	55	7	398
TOTAL	113	1,472	182	139	16	985
VESSELS, MOTOR	-	236	5	5	-	43
GROSS TONNAGE	-	1,736	38	71	-	363
BOATS:						
MOTOR	79	971	148	112	11	646
OTHER	-	-	-	-	4	13
GEAR:						
NUMBER	271	153,045	11,433	12,332	248	1,175
SQUARE YARDS	-	-	-	-	-	577,100

ITEM	GILL NETS - CONTINUED		LINES			DIP NETS, COMMON
	DRIFT		HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS	
	SHAD	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	32	-	11	7	-
ON BOATS AND SHORE:						
REGULAR	171	281	26	25	39	69
CASUAL	150	271	104	21	4	37
TOTAL	321	584	130	57	50	106
VESSELS, MOTOR	-	16	-	2	4	-
GROSS TONNAGE	-	182	-	101	30	-
BOATS:						
MOTOR	178	318	79	46	41	106
OTHER	15	-	7	-	-	-
GEAR:						
NUMBER	201	362	946	48	47	106
SQUARE YARDS	142,200	206,140	-	-	-	-
HOOKS OR BAITS	-	-	946	10,435	27,900	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	SCRAPES	DREDGES				TONGS
		CLAM	CRAB	OYSTER, COMMON	SCALLOP, SEA	OYSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	31	14	434	306	333	636
ON BOATS AND SHORE:						
REGULAR	24	8	6	133	60	1,482
CASUAL.	43	5	2	66	-	577
TOTAL	98	27	442	505	393	2,695
VESSELS, MOTOR.	25	9	167	126	31	299
GROSS TONNAGE	198	120	2,857	1,213	3,704	2,296
BOATS, MOTOR.	65	12	8	101	10	1,447
GEAR:						
NUMBER.	160	28	300	271	82	2,695
YARDS AT MOUTH.	173	43	511	300	267	-

ITEM	TONGS - CONTINUED	RAKES	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	115	-	-	2,789
ON BOATS AND SHORE:				
REGULAR	284	28	10	3,203
CASUAL.	93	30	4	1,863
TOTAL	492	58	14	7,855
VESSELS, MOTOR.	66	-	-	852
GROSS TONNAGE	508	-	-	21,109
BOATS:				
MOTOR	279	35	-	3,731
OTHER	-	-	-	41
GEAR, NUMBER.	492	58	-	-

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, MENHADEN		OTTER TRAWLS	
					FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	1,482,600	$29,601	-	-	-	-
BLUEFISH.	42,600	4,633	-	-	5,500	$621
BONITO.	100	6	-	-	-	-
BUTTERFISH.	30,700	4,437	-	-	958,500	67,732
CABIO	700	35	-	-	-	-
CARP.	114,800	2,629	-	-	-	-
CATFISH AND BULLHEADS . . .	122,400	17,191	-	-	-	-
COD	-	-	-	-	23,300	1,660
CROAKER	34,000	5,100	-	-	5,700	652
DRUM, BLACK	400	22	-	-	200	11
EEL, COMMON	41,800	6,720	-	-	-	-
FLOUNDERS:						
BLACKBACK	10,200	664	-	-	296,900	20,085
FLUKE	10,300	2,805	-	-	1,437,100	460,901
UNCLASSIFIED.	-	-	-	-	5,300	470
GIZZARD SHAD.	2,300	47	-	-	-	-
HAKE, RED	-	-	-	-	5,100	256
HARVESTFISH	200	32	-	-	-	-
HERRING, SEA.	15,000	200	-	-	-	-
HICKORY SHAD.	1,500	47	-	-	-	-
KING WHITING OR "KINGFISH".	6,600	474	-	-	16,600	2,611
MACKEREL:						
ATLANTIC.	800	72	-	-	79,600	7,467
KING.	100	16	-	-	-	-
SPANISH	40,600	6,046	-	-	-	-
MENHADEN.	113,500	2,280	161,719,200	$2,344,929	-	-
MULLET, BLACK (LISA). . . .	-	-	-	-	100	5
PIGFISH	6,000	600	-	-	100	10

(CONTINUED ON NEXT PAGE)

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, MENHADEN		OTTER TRAWLS	
					FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SCUP OR PORGY	3,200	$416	-	-	2,806,300	$383,109
SEA BASS	1,200	94	-	-	1,552,000	244,649
SEA TROUT OR WEAKFISH:						
GRAY	177,900	17,790	-	-	64,700	12,947
SPOTTED	2,200	482	-	-	-	-
SHAD	11,800	892	-	-	-	-
SHARKS, GRAYFISH	1,100	34	-	-	59,600	1,815
SPOT	336,700	43,497	-	-	37,000	4,793
STRIPED BASS	220,700	42,676	-	-	890,300	167,410
STURGEON, COMMON	600	82	-	-	2,400	317
SWELLFISH	434,600	13,028	-	-	28,100	1,125
TAUTOG	-	-	-	-	100	3
TILEFISH	-	-	-	-	100	14
TUNA, UNCLASSIFIED	-	-	-	-	700	305
WHITE PERCH	195,600	27,408	-	-	-	-
WHITING	-	-	-	-	33,600	2,755
UNCLASSIFIED:						
FOR FOOD	36,200	632	-	-	1,000	402
FOR BAIT, REDUCTION AND ANIMAL FOOD	257,900	3,829	-	-	106,600	1,378
CONCHS	-	-	-	-	21,100	2,124
SQUID	-	-	-	-	375,300	18,772
TERRAPIN	3,000	1,506	-	-	-	-
TOTAL	3,759,900	236,023	161,719,200	$2,344,929	8,811,900	1,404,599

SPECIES	OTTER TRAWLS - CONTINUED		POUND NETS			
	LOBSTER		FISH		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	25,715,100	$513,949	-	-
BLUEFISH	-	-	135,600	14,046	-	-
BONITO	-	-	900	46	-	-
BUTTERFISH	-	-	122,500	12,362	-	-
CABIO	-	-	2,000	200	-	-
CARP	-	-	4,500	114	-	-
CATFISH AND BULLHEADS	-	-	19,600	2,584	-	-
CROAKER	-	-	18,400	2,760	-	-
DRUM:						
BLACK	-	-	97,300	5,673	-	-
RED	-	-	700	42	-	-
EEL, COMMON	-	-	138,900	19,919	-	-
FLOUNDERS:						
BLACKBACK	-	-	86,200	6,330	-	-
FLUKE	-	-	40,800	10,467	-	-
GIZZARD SHAD	-	-	100	3	-	-
HARVESTFISH	-	-	1,800	293	-	-
HERRING, SEA	-	-	41,000	506	-	-
HICKORY SHAD	-	-	18,400	584	-	-
KING WHITING OR "KINGFISH"	-	-	9,100	1,306	-	-
MACKEREL:						
ATLANTIC	-	-	63,800	6,147	-	-
KING	-	-	800	128	-	-
SPANISH	-	-	82,400	12,075	-	-
MENHADEN	-	-	16,204,100	373,641	-	-
SCUP OR PORGY	-	-	48,700	6,318	-	-
SEA BASS	-	-	700	132	-	-
SEA ROBIN	-	-	1,000	20	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	504,700	53,011	-	-
SPOTTED	-	-	5,900	833	-	-
SHAD	-	-	1,033,500	78,008	-	-
SHARKS, GRAYFISH	-	-	1,400	42	-	-
SPOT	-	-	306,700	39,436	-	-
STRIPED BASS	-	-	722,600	142,540	-	-
STURGEON, COMMON	-	-	100	8	-	-
SWELLFISH	-	-	1,995,700	61,803	-	-
TAUTOG	-	-	200	10	-	-
WHITE PERCH	-	-	157,600	21,968	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	57,000	2,816	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	986,400	15,194	-	-
CRABS, BLUE:						
HARD	-	-	6,500	715	959,800	$84,921
SOFT AND PEELER	-	-	-	-	267,000	90,328
LOBSTERS, NORTHERN	180,500	$122,820	-	-	-	-
TOTAL	180,500	122,820	48,632,700	1,406,029	1,226,800	175,249

(CONTINUED ON NEXT PAGE)

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	FYKE AND HOOP NETS, FISH		POTS AND TRAPS			
			CRAB		EEL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	3,160,500	$62,867	-	-	-	-
CARP	24,200	611	-	-	-	-
CATFISH AND BULLHEADS	280,700	36,263	-	-	100	$15
EEL, COMMON	44,000	7,817	-	-	537,200	93,184
GIZZARD SHAD	200	4	-	-	-	-
HICKORY SHAD	32,700	991	-	-	4,000	120
MACKEREL, ATLANTIC	10,000	200	-	-	-	-
MENHADEN	143,500	2,870	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	200	20	-	-	-	-
SHAD	140,800	10,579	-	-	-	-
STRIPED BASS	135,100	26,885	-	-	-	-
STURGEON, COMMON	800	120	-	-	-	-
SWELLFISH	-	-	672,200	$27,572	-	-
WHITE PERCH	107,200	15,246	-	-	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	5,000	50
CRABS, BLUE:						
HARD	-	-	22,929,000	2,152,158	-	-
SOFT AND PEELER	-	-	1,074,200	394,754	-	-
CONCHS	-	-	53,600	5,618	-	-
TOTAL	4,079,900	164,473	24,729,000	2,580,102	546,300	93,369

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	FISH		TURTLE		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	32,800	$654
BLUEFISH	-	-	-	-	20,100	3,656
CARP	6,000	$972	-	-	3,100	63
CATFISH AND BULLHEADS	785,200	103,774	-	-	1,100	134
CROAKER	-	-	-	-	2,000	315
DRUM, BLACK	-	-	-	-	10,600	775
FLOUNDER, BLACKBACK	-	-	-	-	500	28
GIZZARD SHAD	-	-	-	-	600	7
HICKORY SHAD	1,000	30	-	-	13,900	439
KING WHITING OR "KINGFISH"	-	-	-	-	2,200	306
MACKEREL, ATLANTIC	-	-	-	-	300	27
MENHADEN	-	-	-	-	15,000	300
MULLET, BLACK (LISA)	-	-	-	-	400	59
PIGFISH	-	-	-	-	600	55
SEA BASS	200,000	55,769	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	45,200	4,362
SPOTTED	-	-	-	-	8,700	1,780
SHAD	-	-	-	-	652,500	46,889
SHARKS, GRAYFISH	-	-	-	-	1,000	60
SPOT	-	-	-	-	196,000	27,854
STRIPED BASS	-	-	-	-	296,400	58,050
STURGEON, COMMON	-	-	-	-	15,200	2,277
SWELLFISH	-	-	-	-	400	15
WHITE PERCH	-	-	-	-	63,600	9,000
UNCLASSIFIED:						
FOR FOOD	2,500	250	-	-	8,700	475
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	66,400	1,175
TURTLES, SNAPPER	-	-	34,200	$6,235	-	-
TOTAL	994,700	160,795	34,200	6,235	1,457,300	158,755

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT				HAND	
	SHAD		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	54,700	$1,093	-	-	-	-
BLUEFISH	-	-	9,300	$1,206	10,100	$1,011
BUTTERFISH	-		500	60	-	-
CARP	400	12	-	-	-	-
CATFISH AND BULLHEADS	-	-	100	15	-	-
CROAKER	-	-	3,100	540	-	-

(CONTINUED ON NEXT PAGE)

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT				HAND	
	SHAD		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
DRUM, BLACK	-	-	1,800	$98	-	-
FLOUNDER, FLUKE	-	-	-	-	20,100	$5,025
GIZZARD SHAD	100	$2	-	-	-	-
HICKORY SHAD	22,700	489	13,200	396	-	-
KING WHITING OR "KINGFISH"	-	-	1,300	183	-	-
MACKEREL:						
ATLANTIC	-	-	92,300	8,321	300	25
KING	-	-	-	-	600	96
MULLET, BLACK (LISA)	-	-	400	50	-	-
SEA BASS	-	-	-	-	16,300	3,018
SEA TROUT OR WEAKFISH:						
GRAY	700	70	66,700	6,958	10,100	1,400
SPOTTED	-	-	-	-	2,600	716
SHAD	406,900	29,319	2,600	208	-	-
SHARKS, GRAYFISH	-	-	6,500	308	100	3
SPOT	2,100	294	120,300	16,054	49,700	6,964
STRIPED BASS	-	-	355,700	69,166	50,000	10,000
WHITE PERCH	17,400	2,436	6,100	854	-	-
WHITING	-	-	900	95	-	-
UNCLASSIFIED:						
FOR FOOD	-	-	1,900	190	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	5,000	100	6,300	67	-	-
TURTLES, SNAPPER	-	-	-	-	140,600	28,440
TOTAL	510,000	33,815	689,000	104,769	300,500	56,698

SPECIES	LINES - CONTINUED				DIP NETS, COMMON	
	LONG OR SET WITH HOOKS		TROT WITH BAITS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	1,000	$140	-	-	-	-
CATFISH AND BULLHEADS	134,800	17,879	-	-	-	-
SWORDFISH	6,900	3,559	-	-	-	-
WHITE PERCH	3,000	420	-	-	-	-
CRABS, BLUE:						
HARD	-	-	2,014,400	$181,161	35,300	$3,145
SOFT AND PEELER	-	-	58,900	21,208	49,500	17,822
TOTAL	145,700	21,998	2,073,300	202,369	84,800	20,967

SPECIES	SCRAPES		DREDGES			
			CLAM		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD	-	-	-	-	7,694,900	$754,619
SOFT AND PEELER	500,000	$170,000	-	-	-	-
CLAMS:						
HARD, PUBLIC	-	-	288,600	$185,485	-	-
SURF	-	-	208,400	23,818	-	-
CONCHS	-	-	-	-	133,100	11,352
TOTAL	500,000	170,000	497,000	209,303	7,828,000	765,971

SPECIES	DREDGES - CONTINUED				TONGS	
	OYSTER, COMMON		SCALLOP, SEA		OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OYSTERS:						
PUBLIC:						
SPRING	46,800	$31,606	-	-	1,802,700	$1,197,624
FALL	74,000	49,999	-	-	2,312,800	1,537,363
PRIVATE:						
SPRING	1,211,200	822,613	-	-	100,700	66,941
FALL	1,760,900	1,194,288	-	-	127,500	85,533
SCALLOPS, SEA	-	-	1,378,000	$1,474,434	-	-
TOTAL	3,092,900	2,098,506	1,378,000	1,474,434	4,343,700	2,887,461

(CONTINUED ON NEXT PAGE)

VIRGINIA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	TONGS - CONTINUED		RAKES		BY HAND	
	OTHER					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, SOFT AND PEELER	-	-	-	-	21,200	$12,271
CLAMS, HARD:						
PUBLIC	1,088,900	$684,518	143,100	$85,102	278,400	180,006
PRIVATE	99,500	61,873	4,700	2,914	-	-
TOTAL	1,188,400	746,391	147,800	88,016	299,600	192,277

CHESAPEAKE STATES - LANDINGS OF CATCH BY WATERS, 1969

SPECIES	MARYLAND				VIRGINIA	
	OCEAN 1/		CHESAPEAKE BAY		OCEAN 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	3,457,800	$69,155	-	-
BLUEFISH	7,500	$1,250	46,600	5,800	15,500	$1,979
BUTTERFISH	28,500	2,665	2,700	263	959,000	67,792
CARP	-	-	122,100	3,349	30,000	600
CATFISH AND BULLHEADS	-	-	237,100	24,769	-	-
COD	12,700	1,242	-	-	23,300	1,660
CRAPPIE	-	-	2,200	124	-	-
CROAKER	400	62	-	-	19,600	3,012
DRUM:						
BLACK	-	-	3,200	201	14,800	1,016
RED	-	-	400	21	-	-
EEL, COMMON	700	34	312,100	38,850	-	-
FLOUNDERS:						
BLACKBACK	43,500	2,790	16,800	1,216	297,900	20,145
FLUKE	200,500	68,355	2,800	596	1,457,800	466,120
UNCLASSIFIED	-	-	-	-	5,300	470
GARFISH	-	-	400	16	-	-
GIZZARD SHAD	-	-	14,700	364	-	-
HAKE, RED	10,700	193	-	-	5,100	256
HICKORY SHAD	-	-	19,700	1,536	-	-
HOGCHOKER	-	-	7,200	144	-	-
KING WHITING OR "KINGFISH"	2,900	364	100	19	16,900	2,645
MACKEREL:						
ATLANTIC	29,700	3,729	-	-	171,200	15,813
KING	-	-	-	-	600	96
SPANISH	-	-	1,200	186	-	-
MENHADEN	-	-	3,456,400	98,279	43,689,800	633,503
MULLET, BLACK (LISA)	-	-	2,700	216	500	67
PIGFISH	-	-	-	-	100	10
PIKE OR PICKEREL	-	-	5,900	1,347	-	-
POMPANO	-	-	300	150	-	-
SCUP OR PORGY	48,500	5,083	-	-	2,806,300	383,109
SEA BASS	147,000	35,412	-	-	1,768,600	303,500
SEA ROBIN	85,900	1,238	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	165,600	14,149	9,200	1,550	89,000	16,205
SPOTTED	-	-	-	-	2,600	716
SHAD	200	23	1,292,000	124,589	4,900	300
SHARKS:						
GRAYFISH	17,300	814	100	4	67,200	2,186
UNCLASSIFIED	114,100	2,282	-	-	-	-
SPOT	3,200	166	17,500	1,840	109,100	15,320
STRIPED BASS	211.900	45,150	4,876,300	864,596	1,011,100	189,276
STURGEON, COMMON	5,800	652	-	-	17,200	2,534
SUCKERS	-	-	400	7	-	-
SUNFISH	-	-	4,200	243	-	-
SWELLFISH	2,800	81	1,458,900	48,740	812,600	33,168
SWORDFISH	-	-	-	-	6,900	3,559
TAUTOG	900	33	-	-	100	3
TILEFISH	-	-	-	-	100	14
TUNA, UNCLASSIFIED	-	-	-	-	700	305
WHITE PERCH	-	-	2,152,500	349,549	22,000	3,080
WHITING	34,000	2,583	-	-	34,500	2,850
YELLOW PERCH	-	-	123,400	15,585	-	-
UNCLASSIFIED:						
FOR FOOD	1,800	159	200	19	5,900	897
FOR BAIT, REDUCTION, AND ANIMAL FOOD	8,500	239	-	-	124,000	1,557

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE STATES - LANDINGS OF CATCH BY WATERS, 1969 - Continued

SPECIES	MARYLAND				VIRGINIA	
	OCEAN 1/		CHESAPEAKE BAY		OCEAN 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD	180,200	$18,953	22,833,700	$2,178,083	-	-
SOFT AND PEELER	13,500	5,802	2,237,200	926,781	-	-
LOBSTERS, NORTHERN	26,500	20,957	-	-	179,800	$122,273
CLAMS:						
HARD, PUBLIC	759,800	442,071	34,700	21,128	-	-
SOFT, PUBLIC	-	-	7,909,500	2,800,344	-	-
SURF	7,126,900	893,618	-	-	-	-
CONCHS	99,500	14,835	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	4,696,000	2,946,186	-	-
FALL	-	-	9,313,200	5,381,868	-	-
PRIVATE:						
SPRING	120,800	218,900	336,300	181,502	-	-
FALL	106,400	199,200	148,500	82,910	-	-
SCALLOPS, SEA	-	-	-	-	1,378,000	1,474,434
SQUID	13,700	1,226	-	-	375,200	18,762
TERRAPIN	-	-	1,400	677	-	-
TURTLES, SNAPPER	-	-	41,700	6,752	-	-
TOTAL	9,631,900	2,004,310	65,199,300	16,179,554	55,523,200	3,789,232

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN 1/		CHESAPEAKE BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	30,445,700	$608,164	-	-	33,903,500	$677,319
BLUEFISH	207,700	23,194	23,000	$3,229	254,300	28,99
BONITO	1,000	52	-	-	1,000	52
BUTTERFISH	153,200	16,799	987,500	70,457	155,900	17,062
CABIO	2,700	235	-	-	2,700	235
CARP	124,000	3,941	30,000	600	246,100	7,290
CATFISH AND BULLHEADS	1,344,000	177,855	-	-	1,581,100	202,624
COD	-	-	36,000	2,902	-	-
CRAPPIE	-	-	-	-	2,200	124
CROAKER	43,600	6,555	20,000	3,074	43,600	6,555
DRUM:						
BLACK	95,500	5,563	14,800	1,016	98,700	5,764
RED	700	42	-	-	1,100	63
EEL, COMMON	761,900	127,640	700	34	1,074,000	166,490
FLOUNDERS:						
BLACKBACK	95,900	6,962	341,400	22,935	112,700	8,178
FLUKE	50,500	13,078	1,658,300	534,475	53,300	13,674
UNCLASSIFIED	-	-	5,300	470	-	-
GARFISH	-	-	-	-	400	16
GIZZARD SHAD	3,300	63	-	-	18,000	427
HAKE, RED	-	-	15,800	449	-	-
HARVESTFISH	2,000	325	-	-	2,000	325
HERRING, SEA	56,000	706	-	-	56,000	706
HICKORY SHAD	107,400	3,096	-	-	127,100	4,632
HOGCHOKER	-	-	-	-	7,200	144
KING WHITING OR "KINGFISH"	18,900	2,235	19,800	3,009	19,000	2,254
MACKEREL:						
ATLANTIC	74,900	6,446	200,900	19,542	74,900	6,446
KING	900	144	600	96	900	144
SPANISH	123,000	18,121	-	-	124,200	18,307
MENHADEN	134,505,500	2,090,517	43,689,800	633,503	137,961,900	2,188,796
MULLET, BLACK (LISA)	400	47	500	67	3,100	263
PIGFISH	6,600	655	100	10	6,600	655
PIKE OR PICKEREL	-	-	-	-	5,900	1,347
POMPANO	-	-	-	-	300	150
SCUP OR PORGY	51,900	6,734	2,854,800	388,192	51,900	6,734
SEA BASS	1,600	162	1,915,600	338,912	1,600	162
SEA ROBIN	1,000	20	85,900	1,238	1,000	20
SEA TROUT OR WEAKFISH:						
GRAY	781,200	80,353	254,600	30,354	790,400	81,903
SPOTTED	16,800	3,095	2,600	716	16,800	3,095
SHAD	2,243,200	165,595	5,100	323	3,535,200	290,184
SHARKS:						
GRAYFISH	2,500	76	84,500	3,000	2,600	80
UNCLASSIFIED	-	-	114,100	2,282	-	-
SPOT	939,400	123,972	112,300	15,486	956,900	125,812
STRIPED BASS	1,659,700	327,451	1,223,000	234,426	6,536,000	1,192,047
STURGEON, COMMON	1,900	270	23,000	3,186	1,900	270
SUCKERS	-	-	-	-	400	7
SUNFISH	-	-	-	-	4,200	243

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CHESAPEAKE STATES - LANDINGS OF CATCH BY WATERS, 1969 - Continued

SPECIES	VIRGINIA - CONTINUED		TOTAL			
	CHESAPEAKE BAY		OCEAN 1/		CHESAPEAKE BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SWELLFISH	2,318,400	$70,375	815,400	$ 33,249	3,777,300	$119,115
SWORDFISH	-	-	6,900	3,559	-	-
TAUTOG	200	10	1,000	36	200	10
TILEFISH	-	-	100	14	-	-
TUNA, UNCLASSIFIED	-	-	700	305	-	-
WHITE PERCH	528,500	74,252	22,000	3,080	2,681,000	423,801
WHITING	-	-	68,500	5,433	-	-
YELLOW PERCH	-	-	-	-	123,400	15,585
UNCLASSIFIED:						
FOR FOOD	101,400	3,868	7,700	1,056	101,600	3,887
FOR BAIT, REDUCTION, AND ANIMAL FOOD	1,309,600	20,236	132,500	1,796	1,309,600	20,236
CRABS, BLUE:						
HARD	33,639,900	3,176,719	180,200	18,953	56,473,600	5,354,802
SOFT AND PEELER	1,970,800	706,383	13,500	5,802	4,208,000	1,633,164
LOBSTERS, NORTHERN	700	547	206,300	143,230	700	547
CLAMS:						
HARD:						
PUBLIC	1,799,000	1,135,111	759,800	442,071	1,833,700	1,156,239
PRIVATE	104,200	64,787	-	-	104,200	64,787
SOFT, PUBLIC	-	-	-	-	7,909,500	2,800,344
SURF	208,400	23,818	7,126,900	893,618	208,400	23,818
CONCHS	207,800	19,094	99,500	14,835	207,800	19,094
OYSTERS, MARKET:						
PUBLIC:						
SPRING	1,849,500	1,229,230	-	-	6,545,500	4,175,416
FALL	2,386,800	1,587,362	-	-	11,700,000	6,969,230
PRIVATE:						
SPRING	1,311,900	889,554	120,800	218,900	1,648,200	1,071,056
FALL	1,888,400	1,279,821	106,400	199,200	2,036,900	1,362,731
SCALLOPS, SEA	-	-	1,378,000	1,474,434	-	-
SQUID	100	10	388,900	19,988	100	10
TERRAPIN	3,000	1,506	-	-	4,400	2,183
TURTLES, SNAPPER	174,800	34,675	-	-	216,500	41,427
TOTAL	223,727,900	14,137,521	65,155,100	5,793,542	288,927,200	30,317,075

1/ INCLUDES BAYS AND CREEKS, EXCLUSIVE OF CHESAPEAKE BAY, WHICH DRAIN INTO THE ATLANTIC OCEAN.

CHESAPEAKE FISHERIES

POTOMAC RIVER SHAD AND ALEWIFE FISHERY

The catch of shad in the Potomac River was 118,877 fish weighing 302,300 pounds, worth $23,322 to the fishermen--a decline of 19 percent in number, 23 percent in volume, and 37 percent in value compared with 1968.

The alewife catch in the Potomac River was 7.2 million fish weighing 3.4 million pounds, valued at $68,933. This was a decrease of 59 percent in both number of fish and poundage, and 50 percent in value compared with 1968. The catch was the smallest since 1942, and far less than the record 13.2 million pounds taken in 1954.

There were 395 fishermen in the Potomac River shad and alewife fisheries--80 less than in 1968. Statistics on the catch and operating units of these fisheries are included in catch and operating unit data for Maryland and Virginia.

SUMMARY OF OPERATING UNITS AND LANDINGS, 1969

ITEM	MARYLAND	VIRGINIA	TOTAL
OPERATING UNITS	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	2	110	112
ON BOATS AND SHORE:			
REGULAR.	36	146	182
CASUAL	41	60	101
TOTAL	79	316	395
VESSELS, MOTOR	1	22	23
GROSS TONNAGE.	7	176	183
BOATS:			
MOTOR.	35	120	155
OTHER.	14	59	73
GEAR:			
POUND NETS	2	107	109
GILL NETS:			
ANCHOR, SET OR STAKE .	71	124	195
SQUARE YARDS	86,500	148,000	234,500
DRIFT.	2	6	8
SQUARE YARDS	2,100	7,200	9,300

LANDINGS	MARYLAND NUMBER	MARYLAND POUNDS	MARYLAND VALUE	VIRGINIA NUMBER	VIRGINIA POUNDS	VIRGINIA VALUE	TOTAL NUMBER	TOTAL POUNDS	TOTAL VALUE
SHAD:									
POUND NETS	157	400	$31	54,666	139,100	$10,304	54,823	139,500	$10,335
GILL NETS:									
ANCHOR, SET OR STAKE .	40,905	103,900	8,616	13,323	33,900	2,506	54,228	137,800	11,122
DRIFT.	708	1,800	145	9,118	23,200	1,720	9,826	25,000	1,865
TOTAL	41,770	106,100	8,792	77,107	196,200	14,530	118,877	302,300	23,322
ALEWIVES:									
POUND NETS	28,140	13,400	269	7,169,400	3,414,000	68,546	7,197,540	3,427,400	68,815
GILL NETS:									
ANCHOR, SET OR STAKE .	6,930	3,300	64	5,250	2,500	50	12,180	5,800	114
DRIFT.	420	200	4	-	-	-	420	200	4
TOTAL	35,490	16,900	337	7,174,650	3,416,500	68,596	7,210,140	3,433,400	68,933

NOTE:--EXCLUDES TRIBUTARIES OF THE POTOMAC RIVER.

SECTION 5 - SOUTH ATLANTIC FISHERIES

Commercial landings of fish and shellfish at ports of the South Atlantic States (North Carolina, South Carolina, Georgia, and the East Coast of Florida) including the commercial catch from freshwater areas of Florida were 318.7 million pounds worth a record $36.4 million--a decline of 20.7 million pounds but an increase of $3.4 million compared with 1968. The volume decline resulted principally from smaller landings of menhaden and miscellaneous species used for animal food and for reduction into meal and oil. The increase in value was caused largely by the higher prices fishermen received for most species.

North Carolina led all States with landings of 219.0 million pounds--6 percent less than in 1968. Florida East Coast landings (63.4 million pounds) declined 12 percent and South Carolina landings (20.6 million pounds) declined 3 percent compared with 1968. Georgia landings, however, increased from 14.3 million pounds in 1968 to 15.7 million in 1969. All States except South Carolina had record values in 1969.

Fishermen and vessels. Only 6,659 regular fishermen were employed in the South Atlantic area--576 less than in 1968. Of this number 3,339 were on vessels and 3,320 on boats or fishing from shore. Casual fishermen (those deriving less than 50 percent of their income from commercial fishing) numbered 2,705--12 less than in 1968. The number of vessels used in the commercial fishery declined from 1,253 in 1968 to 1,186 in 1969. The 5,413 boats used were 190 less than in the previous year.

Shrimp. Landings of 27.3 million pounds (heads on) worth a record $16.2 million increased 12 percent in volume and 16 percent in value compared with 1968. The record exvessel prices were the result of a continued good market.

In North Carolina, landings of 7.9 million pounds were 3.2 million more than in 1968, and the best catch since 1957. The value ($4.5 million) was almost double that of the previous year. Pamlico Sound, the major producing area, was opened to shrimp trawling in mid-July--almost 2 weeks later than usual. The abundance of shrimp in these waters attracted many vessels from the other South Atlantic States. The large increase in vessels caused a shortage of ice and overburdened packing facilities so that many vessels returned to home ports in other States to unload their catches.

South Carolina landings of 5.8 million pounds worth $3.4 million declined 8 percent in volume and 7 percent in value compared with 1968. The lack of brown shrimp was a major factor in the catch decline. Brown shrimp landings of 1.2 million pounds were about 20 percent less than in 1968 and the smallest harvest since 1961. White shrimp continued to be the economic mainstay of the fishermen with landings of 4.6 million pounds--only 4 percent less than in 1968. The South Carolina Wildlife Resources Commission extended the shrimp season in South Carolina waters from December 15, the usual closing date, to December 31. Management officials believed that harvesting shrimp for an additional 15 days would not affect future stocks adversely.

Georgia shrimp fishermen had a good year--landings of 8.4 million pounds were only 1 percent less than in 1968, and the exvessel value ($5.0 million) increased 1 percent. The pattern of shrimp landings in Georgia was similar to that in South Carolina. During the spring and summer there was a disappointing brown shrimp season followed by a good fall run of white shrimp. In late August, the abundance of white shrimp in Georgia waters attracted a few trawlers from as far as the Gulf of Mexico. In 1969, the vessels active in the fishery numbered 388--compared with 347 in 1968.

Florida East Coast landings were 5.2 million pounds worth $3.3 million--an increase of 8 percent in quantity and 9 percent in value compared with 1968. During the last 5 years (1965-69), landings have been fairly consistent--ranging from 4.8 to 5.4 million pounds per year. As in past years, three vessels fished the deep waters for royal red shrimp but only when brown or white shrimp were not plentiful on the inshore grounds.

SOUTH ATLANTIC FISHERIES

Menhaden. Landings of 164.9 million pounds were 14 percent less than in 1968 and the smallest catch since 1962. North Carolina landings were 145.2 million pounds--a decline of 22.0 million pounds compared with 1968. Florida East Coast landings (19.4 million pounds) were 4.5 million less than in 1968--principally because of a decline in fishing effort. One reduction plant that usually employed three or four purse seine vessels did not operate during 1969. Prices of menhaden meal and oil were firm throughout the year.

Food finfish. Landings of finfish used principally for human consumption were 71.4 million pounds--compared with 71.1 million in 1968. The exvessel value of $9.1 million was about the same as in the previous year.

Landings of several species improved markedly in 1969. Alewife landings (21.7 million pounds) were 3.4 million more than in 1968 and the third largest catch on record. Fishermen attributed the greater harvest to favorable weather that prevailed during the peak of the run in the Chowan River of North Carolina. The catch of sea bass was 1.8 million pounds--a gain of 25 percent compared with 1968. The increased landings resulted principally from greater fishing effort put forth by South Carolina fishermen. In South Carolina a consistently good market brought fishermen an average price per pound of 23.4 cents--compared with 15.7 cents in 1968. Other important species landed in greater volume than in 1968 were bluefish, flounders, and king mackerel.

The production of several major species declined in 1969. Fresh-water catfish landings of 14.5 million pounds declined 5 percent compared with 1968, but the value ($2.9 million) was just slightly less than in the previous year. Landings of gray sea trout were 1.7 million pounds--a decline of 33 percent compared with 1968. North Carolina trawlers reported that the fish failed to appear in the spring in their usual abundance on the regular fishing grounds. The spanish mackerel catch of 2.5 million pounds was 2.0 million less than in 1968. The decline was not unexpected as the 1968 harvest was one of the largest on record and about twice the volume of catches made during the previous 9 years. Spot landings were 2.8 million pounds--a decline of 1.9 million (40 percent) compared with 1968, and the smallest catch since 1932. No reason had been found for the sharp decline in 1969. Other species taken in smaller quantities than in 1968 were king whiting, mullet, shad, red snapper, and striped bass.

Hard blue crabs. Landings were 41.3 million pounds worth $3.8 million--a gain of 8.0 million pounds and more than $800,000 compared with 1968. The catch increased substantially in all States except Florida East Coast. The greatest volume increase was in South Carolina where landings of 8.3 million pounds were 114 percent more than in 1968. North Carolina landings (22.2 million pounds) increased 16 percent and Georgia landings (5.1 million pounds) increased 40 percent compared with 1968. However, the Florida East Coast harvest (5.7 million pounds) declined 13 percent and was the smallest catch since 1950. There was a brisk market in the South Atlantic States for both raw crabs and crab meat until the final quarter of the year when the good sustained production of most areas resulted in a temporary oversupply that led to a decline in the prices paid for raw crabs at dockside.

No crab "kills" of any significance were reported during the year--unlike the previous 3-year period when disastrous "kills" occurred in South Carolina and Georgia waters. Unfortunately, the cause of the "kills" was never clearly pinpointed.

Spiny lobsters. Landings of a record 3.8 million pounds were 573,000 pounds more than in 1968. A continuing good market and sustained high prices led to moderate increases in the fishing fleet. A considerable portion of the catches were taken from waters off the Bahama Islands. Catches from this area were landed at Georgia ports (as in 1968) since spiny lobster landings, regardless of origin, are banned by law in Florida during the closed season from April 1 to July 31.

SOUTH ATLANTIC FISHERIES

The Bahamian Government caused apprehension among many United States fishermen by indicating their desire to establish a 12-mile territorial sea limit. This would exclude some U.S. fishermen from areas they have fished for several years. In addition, a determination of the 12-mile boundary from each cay or island would impose a heavy burden on any fishermen having only a rudimentary knowledge of navigation.

Calico scallops. This fishery began in 1959 with a catch of 6,000 pounds of scallop meats in North Carolina. It reached a peak production in the South Atlantic area of 1.9 million pounds in 1966, declined to 1.4 million pounds in 1967, and to 89,000 pounds in 1968. In 1969, the catch increased to 183,000 pounds. Between 1959 and 1967 most of the catch was taken from North Carolina waters. But in 1968 and 1969 no landings were made in North Carolina. The small catch taken in 1968 was from Georgia and Florida East Coast; the 1969 catch was nearly all from Florida East Coast.

Interest in the commercial potential of the North Carolina calico scallop grounds was stimulated by BCF explorations in 1959. Since that time, BCF scientists have searched successfully for other scallop beds suitable for commercial fishing. They have also done research designed to help preserve the quality of the scallop after capture and carried on experiments to develop processing machinery and outfit vessels for the calico scallop fishery.

In 1968, construction began on four new factory-type scallop vessels, and in early 1969 the vessels entered the fishery. Initially, operations were limited largely to fishing gear and processing trials with modifications required on a continuing basis. Because of labor problems, the largest vessel left the fishery for combination shrimp and scallop fishing in Central America with two small catcher vessels.

The more successful vessels worked a 24-hour day, and by September maximum production had reached 4,000 pounds of processed meats per day. The largest single vessel landings of 12,000 pounds occurred in October. In November, two vessels working together landed about 20,000 pounds of processed meats during 4 fishing days (exclusive of 2 days running time) for an average of 2,500 pounds per vessel day.

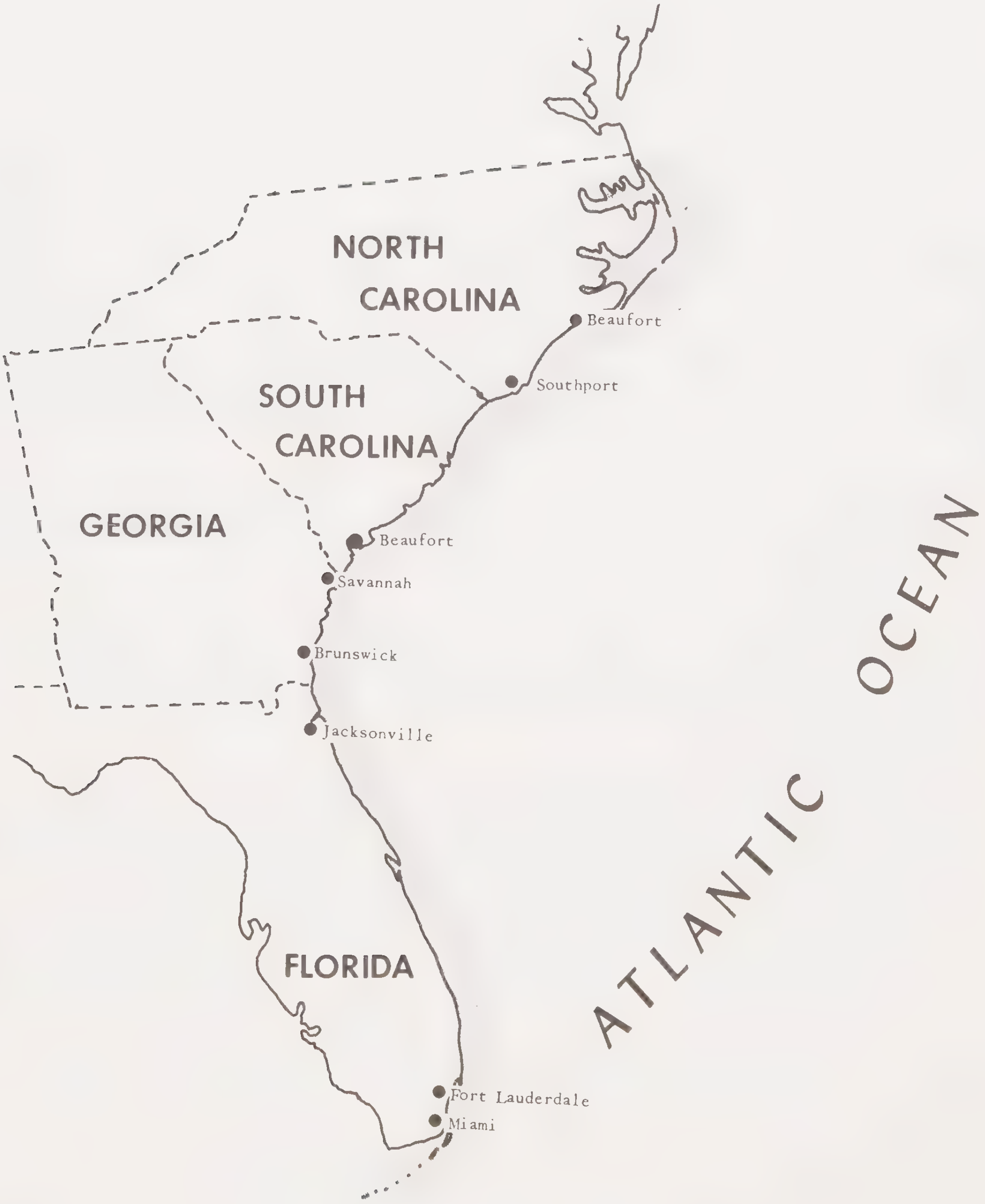
The construction of facilities for processing shell stock ashore was started at Brunswick, Ga., and at Apalachicola and Port Canaveral, Fla. At each location different machinery will be used. Scientists expect that as the processing equipment is improved and more readily available, a valuable new fishery will be established in the southeastern United States.

Oysters. Landings of 1.8 million pounds of meats were 38 percent less than in 1968, and the second smallest catch on record. A sharp decline in South Carolina landings from 2.1 million pounds in 1968 to 964,000 pounds in 1969 was the principal cause of the decrease. Many industry members in South Carolina believed that oysters were plentiful on most grounds and that the catch decline was caused not by a lack of oyster stocks but by a shortage of oyster fishermen. In 1969, the number of oyster fishermen in South Carolina declined about 13 percent compared with 1968. Oyster landings in North Carolina and along the East Coast of Florida were slightly less than in 1968.

Other information. Seasonal variations in the catch of fish and shellfish in North Carolina, South Carolina, Georgia, and Florida can be ascertained from the monthly and annual landings bulletins published in the Current Fishery Statistics Series by the Statistics and Market News Division in cooperation with the respective States. Additional data on many aspects of the South Atlantic fisheries may be found in the daily, monthly, and annual reports published by the Hampton, Va., BCF Fishery Market News Office.

Acknowledgments. The following organizations helped collect the data appearing in this section: North Carolina Department of Conservation and Development, Division of Commercial Fisheries; South Carolina Wildlife Resources Department, Division of Commercial Fisheries; Georgia Game and Fish Commission, Coastal Fisheries Division; and Florida State Board of Conservation.

SOUTH ATLANTIC FISHERIES


NORTH CAROLINA
Beaufort
Southport
SOUTH CAROLINA
GEORGIA
Beaufort
Savannah
Brunswick
Jacksonville
FLORIDA
Fort Lauderdale
Miami
ATLANTIC OCEAN

SOUTH ATLANTIC STATES

SOUTH ATLANTIC FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NORTH CAROLINA.	188	5	31	[illegible]	219	1[illegible]
SOUTH CAROLINA.	6	1	15	5	21	[illegible]
GEORGIA	1	(1)	15	[illegible]	16	7
FLORIDA, EAST COAST	48	6	15	[illegible]	[illegible]	12
TOTAL	243	12	76	25	319	3[illegible]

1/ LESS THAN $500,000.

NOTE:--THIS TABLE MAY NOT ADD DUE TO ROUNDING. THE LANDINGS FOR THE INLAND LAKES OF FLORIDA IS INCLUDED WITH THE LANDINGS FOR THE EAST COAST OF FLORIDA. FOR THE PURPOSE OF THIS REPORT THE "EAST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM NASSAU TO DADE, INCLUSIVE.

SUMMARY OF OPERATING UNITS, 1969

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	1,470	666	798	1,029	3,339
ON BOATS AND SHORE:					
REGULAR	1,254	267	243	1,556	3,320
CASUAL.	1,411	502	449	343	2,705
TOTAL	4,135	1,435	1,490	2,928	9,364
VESSELS, MOTOR.	372	320	394	401	1,186
GROSS TONNAGE	20,782	11,067	17,559	17,619	52,833
BOATS:					
MOTOR	2,472	511	552	1,664	5,199
OTHER	88	7	113	6	214
GEAR:					
HAUL SEINES:					
COMMON.	79	15	-	18	112
LENGTH, YARDS	29,951	3,500	-	9,900	43,351
LONG.	37	-	-	-	37
LENGTH, YARDS	50,650	-	-	-	50,650
PURSE SEINES:					
MENHADEN.	42	-	-	2	44
LENGTH, YARDS	16,800	-	-	880	17,680
OTHER	2	-	-	3	5
LENGTH, YARDS	600	-	-	600	1,200
BAG NETS.	100	-	-	-	100
YARDS AT MOUTH.	2,500	-	-	-	2,500
OTTER TRAWLS:					
CRAB.	290	26	70	-	386
YARDS AT MOUTH. . . .	3,543	451	1,076	-	5,070
FISH.	127	-	-	-	127
YARDS AT MOUTH. . . .	2,877	-	-	-	2,877
LOBSTER	2	-	-	-	2
YARDS AT MOUTH. . . .	60	-	-	-	60
SHRIMP.	927	650	1,071	493	2,565
YARDS AT MOUTH. . . .	12,360	11,500	16,196	7,695	38,626
POUND NETS, FISH.	840	-	-	9	849
FYKE AND HOOP NETS, FISH.	91	-	-	50	141
POTS AND TRAPS:					
CRAB:					
BLUE.	24,740	8,680	6,595	30,100	70,115
OTHER	-	-	-	2,200	2,200
EEL	263	-	-	120	383
FISH.	3,087	1,630	249	12,670	17,584
LOBSTER, SPINY.	-	-	800	67,700	68,500
GILL NETS:					
ANCHOR, SET OR STAKE. .	2,199	54	44	40	2,337
SQUARE YARDS.	1,412,555	20,086	25,466	20,200	1,478,307
DRIFT:					
SHAD.	30	10	312	9	361
SQUARE YARDS. . . .	7,500	1,250	137,622	10,050	156,422
OTHER	9	-	-	4	13
SQUARE YARDS. . . .	2,600	-	-	2,700	5,300
RUNAROUND	54	-	-	271	325
SQUARE YARDS.	36,050	-	-	653,650	689,700
TRAMMEL NETS.	-	-	-	35	35
SQUARE YARDS.	-	-	-	39,300	39,300
LINES:					
HAND.	765	25	18	428	1,232
HOOKS	890	50	42	733	1,707
TROLL	20	-	-	542	562
HOOKS	20	-	-	546	566

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
LINES - CONTINUED:					
LONG OR SET WITH HOOKS.	122	-	161	1,305	1,588
HOOKS	12,200	-	15,800	850,050	878,050
TROT WITH BAITS	148	12	-	-	160
BAITS	106,000	4,888	-	-	110,888
DIP NETS:					
COMMON.	30	-	-	-	30
DROP.	-	100	48	-	148
CAST NETS	-	5	-	-	5
SPEARS.	90	-	-	-	90
DREDGES:					
CLAM.	13	-	-	-	13
YARDS AT MOUTH. . . .	18	-	-	-	18
OYSTER, COMMON.	153	-	-	2	155
YARDS AT MOUTH. . . .	206	-	-	2	208
SCALLOP:					
BAY	222	-	-	-	222
YARDS AT MOUTH. . .	222	-	-	-	222
SEA	2	-	2	-	4
YARDS AT MOUTH. . .	6	-	5	-	11
OTHER	-	-	-	4	4
YARDS AT MOUTH. . . .	-	-	-	10	10
TONGS AND GRABS:					
OYSTER.	254	95	55	36	440
OTHER	46	-	-	-	46
RAKES:					
OYSTER.	67	-	-	-	67
OTHER	151	17	2	4	174
HOOKS:					
SPONGE.	-	-	-	33	33
OTHER	-	-	-	2	2

NOTE:--THE OPERATING UNITS FOR THE INLAND LAKES OF FLORIDA ARE INCLUDED WITH THE DATA FOR THE EAST COAST OF FLORIDA.

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES.	19,762	304	1,975	30	-	-
BLUEFISH.	871	96	5	1	-	-
BOWFIN.	-	-	-	-	(1)	(1)
BUTTERFISH.	130	8	-	-	-	-
CABIO	6	(1)	-	-	-	-
CARP.	137	4	-	-	(1)	(1)
CATFISH AND BULLHEADS . . .	1,854	267	785	117	100	24
CROAKER	1,369	62	(1)	(1)	2	(1)
DRUM:						
BLACK	15	1	1	(1)	(1)	(1)
RED	4	(1)	1	(1)	3	1
EEL, COMMON	18	1	94	11	-	-
FLOUNDER.	2,766	706	9	1	28	5
GROUPER	(1)	(1)	10	2	12	2
GRUNT	3	(1)	4	1	-	-
HARVESTFISH	25	3	-	-	-	-
HERRING, THREAD	4,442	60	-	-	-	-
HICKORY SHAD.	101	5	2	(1)	12	2
KING WHITING OR "KINGFISH".	843	100	93	10	111	13
MACKEREL:						
KING.	16	4	2	(1)	-	-
SPANISH	89	12	4	1	-	-
MENHADEN.	145,235	2,228	245	4	-	-
MULLET, BLACK (LISA). . . .	1,090	82	852	77	-	-
PIGFISH	181	15	-	-	-	-
POMPANO	4	1	(1)	(1)	-	-
SAND PERCH.	(1)	(1)	-	-	-	-
SCUP OR PORGY	253	36	12	1	3	1
SEA BASS.	1,047	191	722	169	9	3
SEA TROUT OR WEAKFISH:						
GRAY.	1,539	109	6	1	1	(1)
SPOTTED	189	56	8	3	3	1
SHAD.	719	137	177	59	618	182
SHARKS, UNCLASSIFIED. . . .	-	-	9	1	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SHEEPSHEAD, SALT-WATER. . .	3	(1)	1	(1)	(1)	(1)
SNAPPERS:						
RED	(1)	(1)	16	11	14	9
VERMILION	-	-	1	(1)	-	-
SPADEFISH	(1)	(1)	-	-	-	-
SPOT.	1,488	188	454	43	2	(1)
STRIPED BASS.	1,568	325	-	-	1	(1)
STURGEON, COMMON.	132	14	40	7	1	(1)
SUCKERS	-	-	-	-	2	(1)
SWELLFISH	201	6	-	-	-	-
WHITE PERCH	207	24	-	-	-	-
YELLOW PERCH.	28	3	-	-	-	-
UNCLASSIFIED:						
FOR FOOD.	-	-	-	-	(1)	(1)
FOR BAIT, REDUCTION, AND ANIMAL FOOD.	1,243	6	-	-	10	(1)
TOTAL FISH.	187,578	5,054	5,528	550	932	243
SHELLFISH, ETC.						
CRABS, BLUE:						
HARD.	22,159	2,125	8,250	675	5,147	438
SOFT AND PEELER	93	42	-	-	-	-
TOTAL CRABS	22,252	2,167	8,250	675	5,147	438
LOBSTERS:						
NORTHERN.	19	14	-	-	-	-
SPINY	-	-	-	-	882	695
SHRIMP.	7,854	4,476	5,817	3,428	8,447	4,984
CLAMS:						
HARD, PUBLIC.	252	141	89	36	1	(1)
RANGIA.	40	13	-	-	-	-
TOTAL CLAMS	292	154	89	36	1	(1)
OCTOPUS	(1)	(1)	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	122	81	-	-	-	-
FALL.	204	149	-	-	-	-
PRIVATE:						
SPRING.	26	18	665	389	180	100
FALL.	18	12	299	170	74	44
TOTAL OYSTERS	370	260	964	559	254	144
SCALLOPS:						
BAY	613	383	-	-	-	-
CALICO.	-	-	-	-	2	1
SEA	13	13	-	-	-	-
TOTAL SCALLOPS. . . .	626	396	-	-	2	1
SQUID	25	1	-	-	-	-
TURTLES, SNAPPER.	18	3	-	-	-	-
TOTAL SHELLFISH, ETC.	31,456	7,471	15,120	4,698	14,733	6,262
GRAND TOTAL	219,034	12,525	20,648	5,248	15,665	6,505

	FLORIDA, EAST COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES.	-	-	21,737	334
AMBERJACK	15	1	15	1
ANGELFISH	4	(1)	4	(1)
BALLYHOO.	125	19	125	19
BLUEFISH.	2,080	233	2,956	330
BLUE RUNNER	37	1	37	1
BONITO.	3	(1)	3	(1)
BOWFIN.	-	-	(1)	(1)
BUTTERFISH.	-	-	130	8
CABIO	4	1	10	1
CARP.	-	-	137	4

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, EAST COAST		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE
CATFISH AND BULLHEADS	11,735	2,498	14,474	2,906
CREVALLE	58	2	58	2
CROAKER	50	11	1,421	73
DOLPHIN	12	2	12	2
DRUM:				
BLACK	145	15	161	16
RED	119	23	127	24
EEL, COMMON	59	6	171	18
FLOUNDER	121	27	2,924	739
GOATFISH	61	9	61	9
GROUPER	522	111	544	115
GRUNT	32	3	39	4
HARVESTFISH	-	-	25	3
HERRING, THREAD	298	4	4,740	64
HICKORY SHAD	-	-	115	7
HOGFISH	1	(1)	1	(1)
JEWFISH	46	7	46	7
KING WHITING OR "KINGFISH"	997	120	2,044	243
MACKEREL:				
KING	2,943	599	2,961	603
SPANISH	2,359	253	2,452	266
MENHADEN	19,394	259	164,874	2,491
MOJARRA	156	10	156	10
MULLET:				
BLACK (LISA)	2,385	189	4,327	348
SILVER	261	28	261	28
PERMIT	3	(1)	3	(1)
PIGFISH	21	1	202	16
POMPANO	333	324	337	325
SAND PERCH	-	-	(1)	(1)
SCUP OR PORGY	47	8	315	46
SEA BASS	70	15	1,848	378
SEA CATFISH	15	1	15	1
SEA TROUT OR WEAKFISH:				
GRAY	144	20	1,690	130
SPOTTED	680	230	880	290
SHAD	390	61	1,904	439
SHARKS, UNCLASSIFIED	16	(1)	25	1
SHEEPSHEAD, SALT-WATER	207	21	211	21
SNAPPERS:				
LANE	6	2	6	2
MANGROVE	106	34	106	34
MUTTON	77	39	77	39
RED	635	367	665	387
VERMILION	32	14	33	14
YELLOWTAIL	162	72	162	72
SPADEFISH	-	-	(1)	(1)
SPOT	875	158	2,819	389
STRIPED BASS	-	-	1,569	325
STURGEON, COMMON	-	-	173	21
SUCKERS	-	-	2	(1)
SWELLFISH	-	-	201	6
TILEFISH	5	1	5	1
TRIGGERFISH	2	(1)	2	(1)
TRIPLETAIL	5	(1)	5	(1)
WARSAW	31	5	31	5
WHITE PERCH	-	-	207	24
YELLOW PERCH	-	-	28	3
UNCLASSIFIED:				
FOR FOOD	339	28	339	28
FOR BAIT, REDUCTION, AND ANIMAL FOOD	566	10	1,819	16
TOTAL FISH	48,789	5,842	242,827	11,689
SHELLFISH, ETC.				
CRABS:				
BLUE:				
HARD	5,724	557	41,280	3,795
SOFT AND PEELER	(1)	(1)	93	42
STONE	108	60	108	60
TOTAL CRABS	5,832	617	41,481	3,897
LOBSTERS:				
NORTHERN	-	-	19	14
SPINY	2,929	1,933	3,811	2,628
SHRIMP	5,188	3,298	27,306	16,186

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, EAST COAST		TOTAL	
SHELLFISH, ETC. - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE
CLAMS:				
HARD, PUBLIC.	41	20	383	197
RANGIA.	-	-	40	13
TOTAL CLAMS	41	20	423	210
CONCHS.	7	2	7	2
OCTOPUS	-	-	(1)	(1)
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	60	30	182	111
FALL.	29	15	233	164
PRIVATE:				
SPRING.	101	44	972	551
FALL.	52	25	443	251
TOTAL OYSTERS	242	114	1,830	1,077
SCALLOPS:				
BAY	-	-	613	383
CALICO.	181	172	183	173
SEA	-	-	13	13
TOTAL SCALLOPS. . . .	181	172	809	569
SQUID	4	1	29	2
TURTLES:				
GREEN, SEA.	(1)	(1)	(1)	(1)
SNAPPER	-	-	18	3
SOFT-SHELL.	128	10	128	10
TOTAL TURTLES	128	10	146	13
SPONGES:				
GRASS	9	11	9	11
SHEEPSWOOL.	8	50	8	50
YELLOW.	4	9	4	9
TOTAL SPONGES	21	70	21	70
TOTAL SHELLFISH, ETC.	14,573	6,237	75,882	24,668
GRAND TOTAL	63,362	12,079	318,709	36,357

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--STATISTICS ON THE LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS, CONCHS, AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS, IN WEIGHT OF EDIBLE MEATS.

SOUTH ATLANTIC FISHERIES

LANDINGS OF CERTAIN SHELLFISH, 1969

(U.S. STANDARD BUSHELS)

SPECIES	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA		FLORIDA, EAST COAST		TOTAL	
	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE	NUMBER	VALUE
CLAMS:										
HARD, PUBLIC.	28,834	$140,690	10,217	$35,480	57	$180	5,087	$20,321	44,195	$196,671
RANGIA.	4,963	12,814	-	-	-	-	-	-	4,963	12,814
CONCHS.							514	2,206	514	2,206
OYSTERS, MARKET:										
PUBLIC:										
SPRING.	26,283	80,612	-	-	-	-	13,584	29,829	39,867	110,441
FALL.	44,551	148,774	-	-	-	-	8,056	14,975	52,607	163,749
PRIVATE:										
SPRING.	5,584	17,722	241,927	389,480	48,133	100,396	23,149	43,539	318,793	551,137
FALL.	3,854	12,443	125,272	169,741	30,913	43,800	14,472	25,186	174,511	251,170
SCALLOPS:										
BAY	153,125	382,718	-	-	-	-	-	-	153,125	382,718
CALICO.	-	-	-	-	571	1,000	51,600	171,536	52,171	172,536
SEA	2,100	12,588	-	-	-	-	-	-	2,100	12,600

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH, 1969

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

SPECIES	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST
	POUNDS	POUNDS	POUNDS	POUNDS
CLAMS:				
HARD, PUBLIC.	8.75	8.75	8.77	8.00
RANGIA.	8.10	-	-	-
CONCHS.	-	-	-	14.00
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	4.66	-	-	4.38
FALL.	4.57	-	-	3.60
PRIVATE:				
SPRING.	4.71	2.75	3.75	4.35
FALL.	4.64	2.39	2.41	3.60
SCALLOPS:				
BAY	4.00	-	-	-
CALICO.	-	-	3.50	3.50
SEA	6.00	-	-	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

SOUTH ATLANTIC FISHERIES

PROCESSED FISHERY PRODUCTS, 1969

ITEM		NORTH CAROLINA		SOUTH CAROLINA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
FRESH AND FROZEN:					
FOR BAIT	POUNDS	(1)	(1)	(1)	(1)
FILLETS	DO	(1)	(1)	-	-
CANNED:					
FISH	STANDARD CASES	(1)	(1)	-	-
ROE	DO	2 997	$35 961	-	-
SALTED	POUNDS	1,165,000	181 950	-	-
MEAL AND SCRAP	TONS	(1)	(1)	-	-
BLUEFISH, FILLETS, FRESH AND FROZEN	POUNDS	(1)	(1)	-	-
CATFISH, DRESSED, SKINS OFF, FROZEN	DO	(1)	(1)	(1)	(1)
EELS:					
DRESSED, SKINS OFF	DO	-	-	(1)	(1)
SALTED FOR BAIT	DO	(1)	(1)	-	-
FLOUNDER:					
DRESSED, FROZEN	DO	39,765	17,630	(1)	(1)
FILLETS:					
FRESH AND FROZEN	DO	(1)	(1)	(1)	(1)
BREADED RAW, FROZEN	DO	(1)	(1)	-	-
STEAKS, BREADED RAW, FROZEN	DO	(1)	(1)	-	-
SPECIALTIES, FROZEN (STUFFED, BREADED RAW)	DO	(1)	(1)	-	-
HERRING, THREAD:					
MEAL AND SCRAP	TONS	(1)	(1)	-	-
OIL	1,000 POUNDS	(1)	(1)	-	-
MENHADEN:					
MEAL AND SCRAP	TONS	15,329	2,791,809	-	-
OIL	1,000 POUNDS	9,671	598,793	-	-
SOLUBLES	TONS	6,894	319,653	-	-
MULLET:					
ROE, FRESH	POUNDS	(1)	(1)	-	-
SALTED:					
SPLIT FOR SMOKING	DO	(1)	(1)	-	-
ROE	DO	(1)	(1)	-	-
SEA TROUT, FRESH AND FROZEN:					
DRESSED	DO	(1)	(1)	-	-
FILLETS	DO	(1)	(1)	-	-
SPANISH MACKEREL FILLETS, FRESH AND FROZEN	DO	(1)	(1)	-	-
SPOT, SALTED (SPLIT FOR CURING)	DO	(1)	(1)	-	-
STRIPED BASS FILLETS, FRESH AND FROZEN	DO	(1)	(1)	-	-
CRABS, BLUE:					
FRESH AND FROZEN:					
COOKED MEAT	DO	2,351,375	4,378,282	266,914	$568,256
SPECIALTIES (DEVILED, CAKES, SOFT SHELL, AU-GRATIN, COCKTAILS, ETC.)	DO	128,927	118,711	-	-
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	(1)	(1)
SPECIALTIES (DEVILED, SOUP)	DO	-	-	(1)	(1)
MEAL AND SCRAP	TONS	1,219	61,874	-	-
SHRIMP, FRESH AND FROZEN:					
RAW HEADLESS	POUNDS	669,560	640,870	(1)	(1)
PEELED (INCLUDING DEVEINED), RAW	DO	(1)	(1)	(1)	(1)
BREADED, RAW AND COOKED	DO	(1)	(1)	-	-
SPECIALTIES (BURGERS, CREOLES, COCKTAILS, DINNERS, STUFFED, ETC.)	DO	(1)	(1)	-	-
CLAMS:					
FRESH AND FROZEN:					
SHUCKED:					
HARD	GALLONS	(1)	(1)	-	-
RANGIA	DO	(1)	(1)	-	-
BREADED RAW	POUNDS	(1)	(1)	-	-
SHELLS, CLEANED AND POLISHED	-	-	(1)	-	-
OYSTERS:					
FRESH AND FROZEN:					
SHUCKED	GALLONS	64,527	493,140	61,048	475,876
BREADED RAW	POUNDS	(1)	(1)	-	-
CANNED:					
REGULAR	STANDARD CASES	-	-	(1)	(1)
SPECIALTIES (STEWS)	DO	-	-	(1)	(1)
SCALLOPS:					
BAY:					
SHUCKED, FRESH	GALLONS	86,265	697,652	-	-
BLOCKS, FROZEN	POUNDS	(1)	(1)	-	-
BREADED RAW	DO	(1)	(1)	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		NORTH CAROLINA		SOUTH CAROLINA	
		QUANTITY	VALUE	QUANTITY	VALUE
SCALLOPS - CONTINUED:					
CALICO:					
SHUCKED FRESH	GALLONS	(1)	(1)	-	-
BLOCKS, FROZEN	POUNDS	(1)	(1)	-	-
TURTLE MEAT, FROZEN	DO	(1)	(1)	-	-
SEAL SKINS, PROCESSED	-	-	-	-	$6,20[illegible]
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED, FILLETS, STEAKS, STICKS, PORTIONS AND OTHER FISH & SHELLFISH	DO	4,198,548	$1,199,303	3,772,740	3,646,748
CANNED	STANDARD CASES	43,065	1,667,975	(1)	(1)
CURED	POUNDS	(1)	(1)	-	-
INDUSTRIAL	-	-	158,536	-	-
TOTAL	-	-	13,362,139	-	10,897,833

ITEM		GEORGIA		FLORIDA EAST COAST	
		QUANTITY	VALUE	QUANTITY	VALUE
BUTTERFISH, SMOKED	POUNDS	-	-	(1)	(1)
CATFISH, DRESSED, SKINS OFF, FROZEN	DO	-	-	(1)	(1)
CHUBS, SMOKED	DO	-	-	(1)	(1)
FLOUNDER SPECIALTIES, FROZEN (STUFFED BREADED RAW)	DO	-	-	(1)	(1)
GROUPER FILLETS:					
FROZEN	DO	-	-	(1)	(1)
BREADED RAW	DO	-	-	(1)	(1)
HERRING:					
SEA, SALTED	DO	-	-	(1)	(1)
THREAD, MEAL AND SCRAP	TONS	-	-	(1)	(1)
KING MACKEREL:					
STEAKS, FROZEN	POUNDS	-	-	(1)	(1)
CANNED (NATURAL AND PASTE)	STANDARD CASES	-	-	(1)	(1)
SMOKED	POUNDS	-	-	(1)	(1)
MENHADEN:					
MEAL AND SCRAP	TONS	-	-	(1)	(1)
OIL	1,000 POUNDS	-	-	(1)	(1)
SOLUBLES	TONS	-	-	(1)	(1)
OCEAN PERCH FILLETS, BREADED AND COOKED, FROZEN	POUNDS	(1)	(1)	-	-
SABLEFISH, SMOKED	DO	-	-	(1)	(1)
SALMON, SMOKED	DO	-	-	(1)	(1)
SNAPPER, RED, FILLETS, FROZEN	DO	-	-	(1)	(1)
SPANISH MACKEREL, FILLETS:					
FRESH AND FROZEN	DO	-	-	(1)	(1)
SPECIALTIES, FROZEN (IN SAUCES)	DO	-	-	(1)	(1)
STURGEON, SMOKED	DO	-	-	(1)	(1)
TUNA, CANNED, LIGHT MEAT	STANDARD CASES	-	-	(1)	(1)
TUNALIKE FISH, CANNED (BONITO)	DO	-	-	(1)	(1)
WHITEFISH SMOKED	POUNDS	-	-	(1)	(1)
CRABS:					
BLUE:					
FRESH AND FROZEN:					
COOKED MEAT	DO	828,885	$1,545,879	1,053,329	$2,065,473
SPECIALTIES (DEVILED, CAKES, SOFT SHELL, AU-GRATIN, COCKTAILS, ETC.)	DO	365,857	413,853	839,457	780,999
CANNED, MEAL AND SCRAP	TONS	(1)	(1)	(1)	(1)
STONE, CLAWS COOKED, FROZEN	POUNDS	-	-	(1)	(1)
LOBSTERS, SPINY FRESH AND FROZEN:					
COOKED:					
MEAT	DO	-	-	(1)	(1)
WHOLE	DO	-	-	2,536,465	2,955,250
TAILS	DO	-	-	(1)	(1)
TAILS, RAW	DO	(1)	(1)	879,029	1,635,968
SHRIMP, FRESH AND FROZEN:					
RAW HEADLESS	DO	1,103,721	1,392,058	249,607	299,809
PEELED (INCLUDING DEVEINED):					
RAW	DO	3,485,440	5,804,839	-	-
COOKED	DO	(1)	(1)	-	-
BREADED, RAW AND COOKED	DO	16,216,427	17,740,826	11,119,480	12,637,064
SPECIALTIES (BURGERS, CREOLES, COCKTAILS, DINNERS, STUFFED, ETC.)	DO	2,242,345	1,759,705	367,095	595,304
CLAMS, FRESH AND FROZEN, SHUCKED	GALLONS	-	-	(1)	(1)
OYSTERS:					
FRESH AND FROZEN:					
SHUCKED	DO	16,757	131,460	10,317	103,775
BREADED RAW	POUNDS	860,935	1,109,065	232,686	272,353

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		GEORGIA		FLORIDA, EAST COAST	
		QUANTITY	VALUE	QUANTITY	VALUE
OYSTERS - CONTINUED:					
SHELL GRIT AND LIME	TONS	-	-	(1)	(1)
SCALLOPS:					
CALICO, SHUCKED FRESH	GALLONS	(1)	(1)	(1)	(1)
SEA, BREADED, RAW AND COOKED, FROZEN	POUNDS	(1)	(1)	(1)	(1)
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED FILLETS, STEAKS, STICKS, PORTIONS AND OTHER FISH AND SHELLFISH	DO	17,481,415	$9,840,025	4 125,627	$3,670,192
CANNED	STANDARD CASES	-	-	(1)	(1)
CURED	POUNDS	-	-	(1)	(1)
INDUSTRIAL	-	-	(1)	-	2,994,631
TOTAL	-	-	39,737,710	-	28,010,818

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH

NOTE:--SOME OF THE PRODUCTS HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	10,800
FROZEN	61,522
CANNED	4,987
CURED	1,556
INDUSTRIAL	13,144
TOTAL	92 009

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
NORTH CAROLINA	13,362
SOUTH CAROLINA	10,898
GEORGIA	39,738
FLORIDA, EAST COAST	28,011
TOTAL	92,009

WHOLESALING AND PROCESSING, 1969

ITEM	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:					
ESTABLISMENTS	164	72	54	141	431
PERSONS ENGAGED:					
AVERAGE FOR SEASON	2,462	1,017	2,380	1,742	7,601
AVERAGE FOR YEAR	1,463	769	1,836	1,540	5,608

SOUTH ATLANTIC FISHERIES

NORTH CAROLINA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES		PURSE SEINES		BAG NETS	OTTER TRAWLS
	COMMON	LONG	MENHADEN	OTHER		CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	15	709	-	-	190
ON BOATS AND SHORE:						
REGULAR	102	86	-	10	75	121
CASUAL	189	96	-	-	25	45
TOTAL	291	197	709	10	100	356
VESSELS, MOTOR	-	6	42	-	-	98
GROSS TONNAGE	-	45	10,768	-	-	1,819
BOATS:						
MOTOR	68	71	84	4	100	135
OTHER	12	71	-	-	-	-
GEAR:						
NUMBER	79	37	42	2	100	290
LENGTH, YARDS	29,951	50,650	16,800	600	-	-
YARDS AT MOUTH	-	-	-	-	2,500	3,543

ITEM	OTTER TRAWLS - CONTINUED			POUND NETS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS
	FISH	LOBSTER	SHRIMP			CRAB
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	274	9	597	-	-	12
ON BOATS AND SHORE:						
REGULAR	-	-	282	124	3	206
CASUAL	-	-	292	152	13	153
TOTAL	274	9	1,171	276	16	371
VESSELS, MOTOR	93	2	266	-	-	8
GROSS TONNAGE	4,688	284	7,876	-	-	61
BOATS, MOTOR	-	-	462	214	13	359
GEAR:						
NUMBER	127	2	927	840	91	24,740
YARDS AT MOUTH	2,877	60	12,360	-	-	-

ITEM	POTS AND TRAPS - CONTINUED		GILL NETS			
	EEL	FISH	ANCHOR, SET OR STAKE	DRIFT		RUNAROUND
				SHAD	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	64	12	-	-	-
ON BOATS AND SHORE:						
REGULAR	3	30	163	-	2	50
CASUAL	9	42	354	30	7	61
TOTAL	12	136	529	30	9	111
VESSELS, MOTOR	-	31	5	-	-	-
GROSS TONNAGE	-	483	31	-	-	-
BOATS, MOTOR	12	72	506	30	9	54
GEAR:						
NUMBER	263	3,087	2,199	30	9	54
SQUARE YARDS	-	-	1,412,555	7,500	2,600	36,050

ITEM	LINES				DIP NETS, COMMON	SPEARS
	HAND	TROLL	LONG OR SET WITH HOOKS	TROT WITH BAITS		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	3	-	2	-	-
ON BOATS AND SHORE:						
REGULAR	2	4	17	88	1	19
CASUAL	24	12	18	58	29	71
TOTAL	26	19	35	148	30	90
VESSELS, MOTOR	-	1	-	2	-	-
GROSS TONNAGE	-	23	-	14	-	-
BOATS, MOTOR	17	9	35	146	20	90
GEAR:						
NUMBER	765	20	122	148	30	90
HOOKS OR BAITS	890	20	12,200	106,000	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	DREDGES				TONGS	
	CLAM	OYSTER	SCALLOP		OYSTER	OTHER
			BAY	SEA		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	5	24	-	9	-	-
ON BOATS AND SHORE:						
REGULAR	23	82	67	-	137	9
CASUAL.	-	57	60	-	117	37
TOTAL	28	163	127	9	254	46
VESSELS, MOTOR.	2	19	-	1	-	-
GROSS TONNAGE	45	165	-	158	-	-
BOATS, MOTOR.	11	123	111	-	254	46
GEAR:						
NUMBER.	13	153	222	2	254	46
YARDS AT MOUTH.	18	206	222	6	-	-

ITEM	RAKES		BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	OYSTER	OTHER	OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	-	1,470
ON BOATS AND SHORE:					
REGULAR	31	40	36	-	1,254
CASUAL.	56	113	94	2	1,411
TOTAL	87	153	130	2	4,135
VESSELS, MOTOR.	-	-	-	-	372
GROSS TONNAGE	-	-	-	-	20,782
BOATS:					
MOTOR	37	146	130	-	2,472
OTHER	-	5	-	-	88
GEAR, NUMBER.	67	151	-	-	-

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES				PURSE SEINES	
	COMMON		LONG		MENHADEN	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	888,400	$13,326	115,000	$4,150	-	-
BLUEFISH.	332,400	35,262	333,800	41,622	-	-
BUTTERFISH.	700	66	2,800	292	-	-
CABIO	-	-	6,300	375	-	-
CARP.	42,600	2,301	3,700	220	-	-
CATFISH AND BULLHEADS . . .	2,000	293	14,500	2,067	-	-
CROAKER	-	-	126,300	8,255	-	-
DRUM:						
BLACK	1,500	75	2,700	208	-	-
RED	-	-	1,200	64	-	-
FLOUNDER.	500	134	6,900	2,099	-	-
HARVESTFISH	-	-	13,700	1,648	-	-
HERRING, THREAD	-	-	-	-	4,442,100	$60,442
KING WHITING OR "KINGFISH".	133,000	18,961	4,600	630	-	-
MACKEREL, SPANISH	9,000	1,165	74,800	10,093	-	-
MENHADEN.	-	-	-	-	145,102,500	2,226,222
MULLET, BLACK (LISA). . . .	774,500	52,152	900	72	-	-
PIGFISH	6,100	380	156,000	13,086	-	-
POMPANO	700	233	3,000	1,142	-	-
SEA TROUT OR WEAKFISH:						
GRAY.	56,400	6,623	184,300	23,065	-	-
SPOTTED	77,800	19,107	49,900	16,929	-	-
SHAD.	-	-	300	70	-	-
SHEEPSHEAD, SALT-WATER. . .	-	-	1,000	75	-	-
SPADEFISH	-	-	300	32	-	-
SPOT.	371,700	51,468	702,900	96,737	-	-
STRIPED BASS.	350,400	84,769	17,500	3,000	-	-
STURGEON, COMMON.	100	13	-	-	-	-
SWELLFISH	-	-	1,400	53	-	-
WHITE PERCH	7,500	1,200	3,600	540	-	-
YELLOW PERCH.	2,500	300	2,200	110	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD .	-	-	178,700	897	-	-
TOTAL	3,057,600	287,828	2,008,300	227,751	149,544,600	2,286,664

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	PURSE SEINES - CONTINUED		BAG NETS		OTTER TRAWLS	
	OTHER				CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS . . .	20,000	$2,963	-	-	-	-
FLOUNDER.	-	-	-	-	52,600	$8,807
KING WHITING OR "KINGFISH".	-	-	-	-	900	100
SEA TROUT OR WEAKFISH, GRAY	-	-	-	-	700	30
SPOT.	-	-	-	-	100	5
STRIPED BASS.	166,700	33,018	-	-	-	-
STURGEON, COMMON.	-	-	-	-	100	18
WHITE PERCH	7,300	1,145	-	-	-	-
CRABS, BLUE:						
HARD.	-	-	-	-	6,857,000	690,660
SOFT AND PEELER	-	-	-	-	59,000	24,959
SHRIMP.	-	-	405,000	$194,677	-	-
SQUID	-	-	-	-	100	7
TOTAL	194,000	37,126	405,000	194,677	6,970,500	724,586

SPECIES	OTTER TRAWLS - CONTINUED					
	FISH		LOBSTER		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH.	16,100	$807	-	-	300	$26
BUTTERFISH.	108,000	5,743	-	-	3,600	276
CROAKER	1,174,300	49,406	-	-	34,700	1,869
DRUM, BLACK	1,500	63	-	-	600	30
FLOUNDER.	2,043,800	498,038	500	$115	168,200	37,714
GROUPER	400	63	-	-	-	-
GRUNT	1,300	104	-	-	-	-
HARVESTFISH	1,100	113	-	-	-	-
KING WHITING OR "KINGFISH".	532,000	58,330	-	-	69,900	8,256
MACKEREL, SPANISH	-	-	-	-	1,000	113
PIGFISH	3,500	263	-	-	5,000	386
SAND PERCH.	400	24	-	-	-	-
SCUP OR PORGY	251,700	35,544	200	36	-	-
SEA BASS.	477,400	85,895	200	44	-	-
SEA TROUT OR WEAKFISH:						
GRAY.	1,151,200	64,754	-	-	42,100	3,184
SPOTTED	400	92	-	-	100	15
SHEEPSHEAD, SALT-WATER. . .	1,100	51	-	-	400	31
SNAPPER, RED.	400	109	-	-	-	-
SPOT.	228,500	17,991	-	-	93,300	8,252
STRIPED BASS.	117,900	27,789	-	-	-	-
STURGEON, COMMON.	49,700	3,920	-	-	500	81
SWELLFISH	153,900	4,874	-	-	1,200	35
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD .	943,100	4,720	-	-	121,100	607
CRABS, BLUE:						
HARD.	-	-	-	-	973,600	78,435
SOFT AND PEELER	-	-	-	-	12,200	5,992
LOBSTERS, NORTHERN.	1,600	1,070	17,100	13,034	-	-
SHRIMP.	-	-	-	-	7,449,200	4,281,151
SQUID	22,600	1,149	-	-	1,800	88
TOTAL	7,281,900	860,912	18,000	13,229	8,978,800	4,426,541

SPECIES	POUND NETS, FISH		FYKE AND HOOP NETS, FISH		POTS AND TRAPS	
					CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	17,905,100	$271,954	-	-	-	-
BLUEFISH.	1,300	151	-	-	-	-
BUTTERFISH.	13,800	1,248	-	-	-	-
CARP.	9,000	115	7,700	$423	-	-
CATFISH AND BULLHEADS . . .	464,700	65,595	27,300	3,973	-	-
CROAKER	6,900	402	-	-	-	-
DRUM:						
BLACK	3,600	207	-	-	-	-
RED	1,300	115	-	-	-	-
EEL, COMMON	600	27	-	-	-	-
FLOUNDER.	423,600	136,475	-	-	-	-
HARVESTFISH	9,100	1,274	-	-	-	-
HICKORY SHAD.	27,900	758	-	-	-	-
KING WHITING OR "KINGFISH".	9,000	1,117	-	-	-	-
MACKEREL, SPANISH	200	23	-	-	-	-
MENHADEN.	69,900	722	-	-	-	-
MULLET, BLACK (LISA). . . .	10,300	859	-	-	-	-
PIGFISH	1,500	110	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY.	35,600	4,104	-	-	-	-
SPOTTED	12,900	4,776	-	-	-	-

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POUND NETS, FISH		FYKE AND HOOP NETS, FISH		POTS AND TRAPS	
					CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHAD.	117,000	$17,443	300	$36	-	-
SHEEPSHEAD, SALT-WATER. . .	500	33	-	-	-	-
SPOT.	400	42	-	-	-	-
STRIPED BASS.	54,200	8,119	1,700	318	-	-
STURGEON, COMMON.	1,500	178	-	-	-	-
SWELLFISH	400	11	-	-	-	-
WHITE PERCH	96,300	7,742	3,600	440	-	-
YELLOW PERCH.	7,500	484	1,200	144	-	-
CRABS, BLUE:						
HARD.	-	-	-	-	11,612,300	$1,102,498
SOFT AND PEELER	-	-	-	-	18,900	9,530
TOTAL	19,284,100	524,084	41,800	5,334	11,631,200	1,112,028

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	EEL		FISH		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	-	-	-	-	717,600	$11,045
BLUEFISH.	-	-	-	-	187,200	17,635
BUTTERFISH.	-	-	-	-	800	40
CARP.	-	-	-	-	74,100	1,196
CATFISH AND BULLHEADS . . .	-	-	461,200	$65,878	542,300	78,417
CROAKER	-	-	-	-	26,500	2,157
DRUM:						
BLACK	-	-	-	-	4,300	221
RED	-	-	-	-	1,100	104
EEL, COMMON	12,000	$530	5,000	234	-	-
FLOUNDER.	-	-	-	-	12,500	2,404
GRUNT	-	-	1,500	170	-	-
HARVESTFISH	-	-	-	-	1,000	112
HICKORY SHAD.	-	-	-	-	71,300	4,380
KING WHITING OR "KINGFISH".	-	-	-	-	93,300	12,484
MACKEREL, SPANISH	-	-	-	-	2,500	253
MENHADEN.	-	-	-	-	62,600	794
MULLET, BLACK (LISA). . . .	-	-	-	-	140,600	12,548
PIGFISH	-	-	100	10	8,300	628
POMPANO	-	-	-	-	300	93
SCUP OR PORGY	-	-	600	68	-	-
SEA BASS.	-	-	567,500	105,293	-	-
SEA TROUT OR WEAKFISH:						
GRAY.	-	-	-	-	68,700	7,048
SPOTTED	-	-	-	-	43,500	13,302
SHAD.	-	-	-	-	551,500	109,064
SHEEPSHEAD, SALT-WATER. . .	-	-	-	-	300	18
SPOT.	-	-	-	-	90,900	13,324
STRIPED BASS.	-	-	-	-	857,000	167,979
STURGEON, COMMON.	-	-	-	-	80,200	9,670
SWELLFISH	-	-	3,900	125	39,900	1,238
WHITE PERCH	-	-	-	-	87,600	13,138
YELLOW PERCH.	-	-	-	-	14,500	1,807
OCTOPUS	-	-	100	9	-	-
TOTAL	12,000	530	1,039,900	171,787	3,780,400	481,099

SPECIES	GILL NETS					
	DRIFT				RUNAROUND	
	SHAD		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	-	-	55,100	$827	-	-
CATFISH AND BULLHEADS . . .	400	$59	5,400	737	-	-
DRUM:						
BLACK	-	-	1,100	92	-	-
RED	-	-	300	27	-	-
HICKORY SHAD.	1,700	164	-	-	-	-
MULLET, BLACK (LISA). . . .	6,700	674	2,500	202	154,600	$15,278
PIGFISH	-	-	-	-	700	51
SEA TROUT OR WEAKFISH, SPOTTED.	-	-	-	-	4,500	1,771
SHAD.	49,500	10,073	-	-	-	-
STRIPED BASS.	900	193	1,700	372	-	-
TOTAL	59,200	11,163	66,100	2,257	159,800	17,100

(CONTINUED ON NEXT PAGE)

NORTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	LINES					
	HAND		TROLL		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS . . .	58,400	$8,718	-	-	257,800	$38,249
MACKEREL:						
KING.	-	-	16,100	$3,586	-	-
SPANISH	-	-	1,100	156	-	-
PIGFISH	200	16	-	-	-	-
SEA BASS.	1,900	332	-	-	-	-
WHITE PERCH	-	-	-	-	700	138
YELLOW PERCH.	-	-	-	-	300	47
TURTLES, SNAPPER.	18,000	2,695	-	-	-	-
TOTAL	78,500	11,761	17,200	3,742	258,800	38,434

SPECIES	LINES - CONTINUED		DIP NETS, COMMON		SPEARS	
	TROT WITH BAITS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	-	-	80,500	$2,415	-	-
FLOUNDERS	-	-	-	-	57,600	$20,362
CRABS, BLUE:						
HARD.	2,716,400	$253,907	-	-	-	-
SOFT AND PEELER	-	-	3,300	1,743	-	-
SCALLOPS, BAY	-	-	7,100	4,112	-	-
TOTAL	2,716,400	253,907	90,900	8,270	57,600	20,362

SPECIES	DREDGES					
	CLAM		OYSTER		SCALLOP	
					BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS:						
HARD, PUBLIC.	134,700	$75,412	400	$246	-	-
RANGIA.	40,200	12,814	-	-	-	-
OYSTERS, MARKET, PUBLIC:						
SPRING.	400	245	44,100	30,251	-	-
FALL.	-	-	93,900	70,641	-	-
SCALLOPS, BAY	-	-	-	-	605,000	$378,331
TOTAL	175,300	88,471	138,400	101,138	605,000	378,331

SPECIES	DREDGES - CONTINUED		TONGS			
	SCALLOP - CONTINUED		OYSTER		OTHER	
	SEA					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	15,400	$8,900	40,900	$22,849
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	-	-	45,700	28,742	-	-
FALL.	-	-	73,000	51,940	-	-
PRIVATE:						
SPRING.	-	-	22,400	15,242	100	39
FALL.	-	-	15,500	11,001	-	-
SCALLOPS, SEA	12,600	$12,588	-	-	-	-
TOTAL	12,600	12,588	172,000	115,825	41,000	22,888

SPECIES	RAKES				BY HAND			
	OYSTER		OTHER		OYSTER		OTHER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	60,800	$33,232	-	-	100	$51
OYSTERS, MARKET:								
PUBLIC:								
SPRING.	17,300	$12,403	-	-	15,000	$8,971	-	-
FALL.	23,100	17,317	-	-	13,600	8,876	-	-
PRIVATE:								
SPRING.	3,700	2,363	-	-	100	78	-	-
FALL.	1,800	1,089	-	-	600	353	-	-
SCALLOPS, BAY	-	-	400	275	-	-	-	-
TOTAL	45,900	33,172	61,200	33,507	29,300	18,278	100	51

SOUTH ATLANTIC FISHERIES
SOUTH CAROLINA
OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS AND TRAPS	
		CRAB	SHRIMP	CRAB	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	14	658	-	34
ON BOATS AND SHORE:					
REGULAR	-	3	10	64	70
CASUAL	156	11	50	86	65
TOTAL	156	28	718	150	169
VESSELS, MOTOR	-	7	316	-	17
GROSS TONNAGE	-	257	10,967	-	458
BOATS:					
MOTOR	9	12	30	150	53
OTHER	7	-	-	-	-
GEAR:					
NUMBER	15	26	650	8,680	1,630
LENGTH, YARDS	3,500	-	-	-	-
YARDS AT MOUTH	-	451	11,500	-	-

ITEM	GILL NETS		LINES		DIP NETS, DROP
	ANCHOR, SET OR STAKE	DRIFT, SHAD	HAND	TROT WITH BAITS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	2	-	-
ON BOATS AND SHORE:					
REGULAR	-	-	-	2	65
CASUAL	70	20	16	4	40
TOTAL	70	20	18	6	105
VESSELS, MOTOR	-	-	1	-	-
GROSS TONNAGE	-	-	50	-	-
BOATS, MOTOR	54	10	12	6	42
GEAR:					
NUMBER	54	10	25	12	100
SQUARE YARDS	20,086	1,250	-	-	-
HOOKS OR BAITS	-	-	50	4,888	-

ITEM	CAST NETS	TONGS AND GRABS, OYSTER	RAKES	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	-	-	666
ON BOATS AND SHORE:					
REGULAR	-	46	-	89	267
CASUAL	5	49	17	70	502
TOTAL	5	95	17	159	1,435
VESSELS, MOTOR	-	-	-	-	320
GROSS TONNAGE	-	-	-	-	11,067
BOATS:					
MOTOR	4	95	17	159	511
OTHER	-	-	-	-	7
GEAR, NUMBER	5	95	17	-	-

SOUTH CAROLINA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS			
			CRAB		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	5,300	$848	-	-	-	-
CROAKER	-	-	-	-	200	$20
DRUM, RED	600	90	-	-	-	-
FLOUNDER	-	-	-	-	8,600	1,069
KING WHITING OR "KINGFISH"	16,300	1,628	-	-	76,600	8,800
MACKEREL:						
KING	1,300	178	-	-	200	28
SPANISH	2,800	435	-	-	1,000	164
MENHADEN	245,000	3,675	-	-	-	-
MULLET, BLACK (LISA)	852,000	77,185	-	-	-	-
POMPANO	-	-	-	-	200	30
SEA BASS	-	-	-	-	1,300	266
SEA TROUT OR WEAKFISH:						
GRAY	5,000	375	-	-	500	101
SPOTTED	7,900	2,451	-	-	400	128
SHARKS	-	-	-	-	8,500	846
SHEEPSHEAD, SALT-WATER	500	69	-	-	300	22
SPOT	438,700	42,103	-	-	14,800	1,267
STURGEON, COMMON	-	-	-	-	100	20
CRABS, BLUE, HARD	-	-	496,900	$52,015	900	70
SHRIMP	-	-	-	-	5,817,100	3,428,461
TOTAL	1,575,400	129,037	496,900	52,015	5,930,700	3,441,292

SPECIES	POTS AND TRAPS				GILL NETS	
	CRAB		FISH		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	-	-	785,000	$117,055	-	-
DRUM, BLACK	-	-	1,000	120	-	-
EEL, COMMON	-	-	94,000	11,275	-	-
GROUPER	-	-	6,500	885	-	-
GRUNT	-	-	3,700	490	-	-
HICKORY SHAD	-	-	-	-	1,000	$150
SCUP OR PORGY	-	-	11,900	1,181	-	-
SEA BASS	-	-	719,200	168,512	-	-
SHAD	-	-	-	-	141,600	45,909
SNAPPER, RED	-	-	10,700	7,810	-	-
STURGEON, COMMON	-	-	-	-	40,200	7,396
CRABS, BLUE, HARD	7,489,400	$601,287	-	-	-	-
TOTAL	7,489,400	601,287	1,632,000	307,328	182,800	53,455

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT, SHAD		HAND		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
DRUM, RED	-	-	100	$20	-	-
GROUPER	-	-	3,900	709	-	-
HICKORY SHAD	1,000	$143	-	-	-	-
SCUP OR PORGY	-	-	600	54	-	-
SEA BASS	-	-	2,000	552	-	-
SHAD	35,000	13,000	-	-	-	-
SHARKS	-	-	200	15	-	-
SHEEPSHEAD, SALT-WATER	-	-	200	18	-	-
SNAPPER:						
RED	-	-	5,300	3,303	-	-
VERMILION	-	-	600	241	-	-
CRABS, BLUE, HARD	-	-	-	-	262,700	$21,324
TOTAL	36,000	13,143	12,900	4,912	262,700	21,324

SPECIES	DIP NETS, DROP		CAST NETS		TONGS AND GRABS, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	1,975,000	$29,625	-	-	-	-
MULLET, BLACK (LISA)	-	-	500	$43	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	-	-	315,600	$216,344
FALL	-	-	-	-	73,200	50,981
TOTAL	1,975,000	29,625	500	43	388,800	267,325

SPECIES	RAKES		BY HAND, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	89,400	$35,480	-	-
OYSTERS, MARKET, PRIVATE:				
SPRING	-	-	349,700	$173,136
FALL	-	-	226,200	118,760
TOTAL	89,400	35,480	575,900	291,896

SOUTH ATLANTIC FISHERIES
GEORGIA

OPERATING UNITS BY GEAR, 1969

ITEM	OTTER TRAWLS		POTS AND TRAPS		
	CRAB	SHRIMP	CRAB	FISH	LOBSTER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	46	778	-	-	8
ON BOATS AND SHORE:					
REGULAR	32	178	98	2	-
CASUAL	8	263	53	28	-
TOTAL	86	1,219	151	30	8
VESSELS, MOTOR	23	388	-	-	4
GROSS TONNAGE	730	17,196	-	-	205
BOATS, MOTOR	26	300	104	26	-
GEAR:					
NUMBER	70	1,071	6,595	249	800
YARDS AT MOUTH	1,076	16,196	-	-	-

ITEM	GILL NETS		LINES		DIP NETS, DROP
	ANCHOR, SET OR STAKE	DRIFT, SHAD	HAND	LONG OR SET WITH HOOKS	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	-	8	-	-
ON BOATS AND SHORE:					
REGULAR	13	62	-	5	-
CASUAL	45	179	12	41	4
TOTAL	58	241	20	46	4
VESSELS, MOTOR	-	-	2	-	-
GROSS TONNAGE	-	-	83	-	-
BOATS:					
MOTOR	43	190	10	43	4
OTHER	22	51	-	-	-
GEAR:					
NUMBER	44	312	18	161	48
SQUARE YARDS	25,466	137,622	-	-	-
HOOKS OR BAITS	-	-	42	15,800	-

ITEM	DREDGES, SCALLOP, SEA	TONGS AND GRABS, OYSTER	RAKES	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	6	-	-	-	798
ON BOATS AND SHORE:					
REGULAR	-	37	-	37	243
CASUAL	-	18	2	33	449
TOTAL	6	55	2	70	1,490
VESSELS, MOTOR	1	-	-	-	394
GROSS TONNAGE	110	-	-	-	17,559
BOATS:					
MOTOR	-	55	1	58	552
OTHER	-	30	-	23	113
GEAR:					
NUMBER	2	55	2	-	-
YARDS AT MOUTH	5	-	-	-	-

GEORGIA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	OTTER TRAWLS				POTS AND TRAPS	
	CRAB		SHRIMP		CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CROAKER	-	-	1,800	$191	-	-
DRUM, BLACK	-	-	100	11	-	-
FLOUNDER	-	-	28,200	4,573	-	-
KING WHITING OR "KINGFISH"	-	-	110,800	13,327	-	-
SEA BASS	-	-	500	147	-	-
SEA TROUT OR WEAKFISH:						
GRAY	-	-	400	40	-	-
SPOTTED	-	-	2,700	772	-	-
SHEEPSHEAD, SALT-WATER	-	-	300	32	-	-
SPOT	-	-	2,400	239	-	-
STURGEON, COMMON	-	-	100	25	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	10,100	227	-	-
CRABS, BLUE, HARD	453,700	$48,246	1,193,500	91,556	3,469,900	$295,678
SHRIMP	-	-	8,447,100	4,984,044	-	-
TOTAL	453,700	48,246	9,798,000	5,095,184	3,469,900	295,678

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	FISH		LOBSTER		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	-	-	-	-	400	$44
CATFISH AND BULLHEADS	23,900	$5,924	-	-	3,300	725
GROUPER	7,400	1,115	-	-	-	-
HICKORY SHAD	-	-	-	-	8,400	1,261
SCUP OR PORGY	1,500	383	-	-	-	-
SEA BASS	1,700	451	-	-	-	-
SHAD	-	-	-	-	254,600	70,048
SNAPPER, RED	1,500	1,136	-	-	-	-
STRIPED BASS	-	-	-	-	400	130
STURGEON, COMMON	-	-	-	-	500	94
SUCKER	-	-	-	-	500	35
LOBSTER, SPINY	-	-	882,200	$694,549	-	-
TOTAL	36,000	9,009	882,200	694,549	268,100	72,337

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT, SHAD		HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	300	$27	-	-	-	-
CATFISH AND BULLHEADS	9,500	2,070	-	-	62,800	$15,620
DRUM:						
BLACK	-	-	100	$19	-	-
RED	-	-	2,700	513	-	-
FLOUNDER	-	-	100	15	-	-
GROUPER	-	-	4,700	1,184	200	46
HICKORY SHAD	3,900	716	-	-	-	-
SCUP OR PORGY	-	-	1,400	358	100	25
SEA BASS	-	-	6,400	1,910	-	-
SHAD	363,100	112,230	-	-	-	-
SNAPPER, RED	-	-	10,200	6,605	1,900	1,255
STRIPED BASS	600	120	100	14	-	-
STURGEON, COMMON	500	96	-	-	-	-
SUCKER	1,100	99	-	-	500	44
UNCLASSIFIED, FOR FOOD	-	-	-	-	100	25
TOTAL	379,000	115,358	25,700	10,618	65,600	17,015

SPECIES	DIP NETS, DROP		DREDGES, SCALLOP, SEA		TONGS AND GRABS, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, HARD	29,700	$2,107	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	-	-	166,300	$92,876
FALL	-	-	-	-	35,900	21,151
SCALLOPS, CALICO	-	-	2,000	$1,000	-	-
TOTAL	29,700	2,107	2,000	1,000	202,200	114,027

SPECIES	RAKES		BY HAND, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	500	$180	-	-
OYSTERS, MARKET, PRIVATE:				
SPRING	-	-	14,200	$7,520
FALL	-	-	38,600	22,649
TOTAL	500	180	52,800	30,169

SOUTH ATLANTIC FISHERIES
FLORIDA, EAST COAST
OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES		OTTER TRAWLS, SHRIMP	POUND NETS, FISH	FYKE AND HOOP NETS, FISH
		MENHADEN	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	27	2	515	-	-
ON BOATS AND SHORE, REGULAR.	75	-	4	28	3	10
TOTAL	75	27	6	543	3	10
VESSELS, MOTOR.	-	2	1	241	-	-
GROSS TONNAGE	-	348	10	13,525	-	-
BOATS:						
MOTOR	19	4	2	14	3	10
OTHER	6	-	-	-	-	-
GEAR:						
NUMBER.	18	2	3	493	9	50
LENGTH, YARDS	9,900	880	600	-	-	-
YARDS AT MOUTH.	-	-	-	7,695	-	-

ITEM	POTS AND TRAPS					GILL NETS
	CRAB		EEL	FISH	LOBSTER, SPINY	ANCHOR, SET OR STAKE
	BLUE	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	2	-	-	325	-
ON BOATS AND SHORE:						
REGULAR	171	11	4	243	92	22
CASUAL.	15	-	-	18	9	2
TOTAL	186	13	4	261	426	24
VESSELS, MOTOR.	-	1	-	-	113	-
GROSS TONNAGE	-	14	-	-	2,557	-
BOATS, MOTOR.	186	6	4	261	59	13
GEAR:						
NUMBER.	30,100	2,200	120	12,670	67,700	40
SQUARE YARDS.	-	-	-	-	-	20,200

ITEM	GILL NETS - CONTINUED			TRAMMEL NETS	LINES	
	DRIFT		RUNAROUND		HAND	TROLL
	SHAD	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	52	-	109	27
ON BOATS AND SHORE:						
REGULAR	18	6	339	35	110	197
CASUAL.	-	-	15	-	204	94
TOTAL	18	6	406	35	423	318
VESSELS, MOTOR.	-	-	17	-	37	12
GROSS TONNAGE	-	-	214	-	1,016	111
BOATS, MOTOR.	9	4	254	35	304	261
GEAR:						
NUMBER.	9	4	271	35	428	542
SQUARE YARDS.	10,050	2,700	653,650	39,300	-	-
HOOKS OR BAITS.	-	-	-	-	733	546

ITEM	LINES-CONTINUED	DREDGES		TONGS AND GRABS, OYSTER	RAKES	HOOKS
	LONG OR SET WITH HOOKS	OYSTER, COMMON	OTHER			SPONGE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	32	-	-	-
ON BOATS AND SHORE:						
REGULAR	533	2	-	31	4	14
CASUAL.	70	-	-	5	-	19
TOTAL	603	2	32	36	4	33
VESSELS, MOTOR.	-	-	2	-	-	-
GROSS TONNAGE	-	-	242	-	-	-
BOATS, MOTOR.	603	1	-	36	4	33
GEAR:						
NUMBER.	1,305	2	4	36	4	33
YARDS AT MOUTH.	-	2	10	-	-	-
HOOKS OR BAITS.	850,050	-	-	-	-	-

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	HOOKS - CONTINUED	BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER	OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	-	-	1,029
ON BOATS AND SHORE:				
REGULAR	-	36	6	1,556
CASUAL	2	2	2	343
TOTAL	2	38	8	2,928
VESSELS, MOTOR	-	-	-	401
GROSS TONNAGE	-	-	-	17,619
BOATS:				
MOTOR	2	38	8	1,664
OTHER	-	-	-	6
GEAR, NUMBER	2	-	-	-

FLORIDA, EAST COAST - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES			
			MENHADEN		OTHER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGELFISH	600	$31	-	-	-	-
BALLYHOO	-	-	-	-	125,100	$18,934
BLUEFISH	269,100	29,972	-	-	-	-
BLUE RUNNER	3,000	91	-	-	-	-
CATFISH AND BULLHEADS	100,000	20,000	-	-	-	-
CREVALLE	23,100	585	-	-	-	-
CROAKER	19,000	4,349	-	-	-	-
DRUM:						
BLACK	11,700	1,246	-	-	-	-
RED	8,900	2,190	-	-	-	-
FLOUNDER	2,800	588	-	-	-	-
GOATFISH	12,000	1,720	-	-	-	-
HERRING, THREAD	-	-	298,200	$3,757	-	-
KING WHITING OR "KINGFISH"	216,300	31,641	-	-	-	-
MACKEREL, SPANISH	15,000	1,782	-	-	-	-
MENHADEN	-	-	18,582,400	234,139	200	8
MOJARRA	56,200	3,538	-	-	-	-
MULLET, BLACK (LISA)	58,400	4,716	-	-	-	-
POMPANO	9,900	9,653	-	-	-	-
SEA CATFISH	5,000	217	-	-	-	-
SEA TROUT OR WEAKFISH:						
GRAY	37,400	5,157	-	-	-	-
SPOTTED	11,000	4,214	-	-	-	-
SHAD	188,000	27,510	-	-	-	-
SHEEPSHEAD, SALT-WATER	1,500	216	-	-	-	-
SPOT	58,300	8,878	-	-	-	-
TRIPLETAIL	2,300	168	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	27,600	2,041	-	-	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	400,500	5,852	-	-	-	-
TOTAL	1,537,600	166,355	18,880,600	237,896	125,300	18,942

SPECIES	OTTER TRAWLS, SHRIMP		POUND NETS, FISH		FYKE AND HOOP NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	4,200	$592	-	-	-	-
CATFISH AND BULLHEADS	-	-	40,000	$8,000	445,000	$89,000
CROAKER	1,000	156	-	-	-	-
FLOUNDER	110,000	24,330	-	-	-	-
KING WHITING OR "KINGFISH"	705,000	77,907	-	-	-	-
MACKEREL, SPANISH	4,700	378	-	-	-	-
SEA TROUT OR WEAKFISH, GRAY	45,200	5,558	-	-	-	-
SPOT	9,500	970	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	2,500	331	-	-	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	102,900	2,530	-	-	-	-
CRABS, BLUE, HARD	150,000	6,020	-	-	-	-
SHRIMP	5,188,100	3,297,915	-	-	-	-
SQUID	4,300	848	-	-	-	-
TOTAL	6,327,400	3,417,535	40,000	8,000	445,000	89,000

(CONTINUED ON NEXT PAGE)

FLORIDA, EAST COAST - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS AND TRAPS					
	CRAB				EEL	
	BLUE		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL	-	-	-	-	59,200	$5,922
CRABS:						
BLUE:						
HARD	5,573,000	$550,908	-	-	-	-
SOFT AND PEELER	100	49	-	-	-	-
STONE	11,600	3,990	96,700	$56,489	-	-
TOTAL	5,584,700	554,947	96,700	56,489	59,200	5,922

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	FISH		LOBSTER, SPINY		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	2,627,100	$562,466	-	-	-	-
SHAD	-	-	-	-	65,800	$12,772
CRABS, BLUE, HARD	-	-	1,100	$158	-	-
LOBSTER, SPINY	-	-	2,928,600	1,932,852	-	-
TOTAL	2,627,100	562,466	2,929,700	1,933,010	65,800	12,772

SPECIES	GILL NETS - CONTINUED					
	DRIFT				RUNAROUND	
	SHAD		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANGELFISH	-	-	-	-	3,600	$217
BLUEFISH	-	-	-	-	1,661,800	186,071
BLUE RUNNER	-	-	-	-	2,500	94
CREVALLE	-	-	-	-	12,100	314
CROAKER	-	-	-	-	19,300	4,434
DRUM:						
BLACK	-	-	-	-	88,900	9,155
RED	-	-	-	-	82,800	15,928
FLOUNDER	-	-	-	-	6,700	1,684
GOATFISH	-	-	-	-	46,000	7,032
KING WHITING OR "KINGFISH"	-	-	-	-	40,000	5,926
MACKEREL:						
KING	-	-	-	-	1,756,000	346,396
SPANISH	-	-	-	-	2,239,900	240,103
MENHADEN	-	-	-	-	811,500	24,566
MOJARRA	-	-	-	-	84,800	5,448
MULLET:						
BLACK (LISA)	-	-	-	-	2,311,100	183,484
SILVER	-	-	-	-	260,400	27,906
PIGFISH	-	-	-	-	20,900	1,150
POMPANO	-	-	-	-	185,500	181,595
SEA CATFISH	-	-	-	-	9,300	371
SEA TROUT OR WEAKFISH:						
GRAY	-	-	-	-	47,900	7,222
SPOTTED	-	-	27,000	$9,979	517,600	174,044
SHAD	135,000	$20,638	-	-	-	-
SHEEPSHEAD, SALT-WATER	-	-	-	-	177,000	18,157
SPOT	-	-	-	-	773,200	142,710
TRIPLETAIL	-	-	-	-	3,100	232
UNCLASSIFIED:						
FOR FOOD	-	-	-	-	253,000	20,365
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	62,300	1,331
TURTLES, GREEN	-	-	-	-	100	51
TOTAL	135,000	20,638	27,000	9,979	11,477,300	1,605,986

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	-	-	15,200	$1,052	-	-
BLUEFISH	-	-	60,700	6,895	84,500	$9,389
BLUE RUNNER	-	-	31,600	1,251	-	-
BONITO	-	-	-	-	2,900	106
CABIO	-	-	1,400	101	2,900	408
CREVALLE	-	-	23,000	733	-	-
CROAKER	2,000	$529	8,600	1,977		
DOLPHIN	-	-	2,100	360	10,300	1,866
DRUM:						
BLACK	-	-	44,800	4,812		
RED	2,000	337	25,300	4,483	-	-
FLOUNDER	-	-	1,400	425	-	-

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

FLORIDA, EAST COAST - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	TRAMMEL NETS		LINES			
			HAND		TROLL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GOATFISH	-	-	2,500	$477	-	-
GROUPER	-	-	522,300	110,886	-	-
GRUNT	-	-	32,100	2,900	-	-
HOGFISH	-	-	1,400	351	-	-
JEWFISH	-	-	46,100	6,716	-	-
KING WHITING OR "KINGFISH"	700	$133	34,500	4,338	-	-
MACKEREL:						
KING	-	-	17,000	3,676	1,169,700	$248,467
SPANISH	-	-	36,300	4,087	62,900	6,986
MOJARRA	1,000	63	14,000	1,106	-	-
MULLET, BLACK (LISA)	15,000	1,102	-	-	-	-
PERMIT	-	-	2,600	506	-	-
PIGFISH	-	-	500	35	-	-
POMPANO	105,000	101,252	32,400	31,580	-	-
SCUP OR PORGY	-	-	47,400	7,813	-	-
SEA BASS	-	-	70,400	15,299	-	-
SEA CATFISH	-	-	1,000	71	-	-
SEA TROUT OR WEAKFISH:						
GRAY	100	15	11,300	1,688	1,600	236
SPOTTED	34,500	10,828	79,600	27,289	9,900	3,155
SHAD	-	-	800	254	-	-
SHEEPSHEAD, SALT-WATER	-	-	28,000	3,096	-	-
SNAPPER:						
LANE	-	-	6,300	1,555	-	-
MANGROVE	-	-	106,300	33,858	-	-
MUTTON	-	-	76,500	38,544	-	-
RED	-	-	634,800	366,837	-	-
VERMILION	-	-	31,500	13,818	-	-
YELLOWTAIL	-	-	162,300	72,227	-	-
SPOT	8,000	1,460	25,600	4,381	-	-
TILEFISH	-	-	5,200	709	-	-
TRIGGERFISH	-	-	1,700	137	-	-
WARSAW	-	-	31,200	4,746	-	-
UNCLASSIFIED, FOR FOOD	1,700	126	54,500	5,232	100	6
TOTAL	170,000	115,845	2,330,200	786,301	1,344,800	270,619

SPECIES	LINES - CONTINUED		DREDGES			
	LONG OR SET WITH HOOKS		OYSTER, COMMON		OTHER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS	8,523,200	$1,818,771	-	-	-	-
SHARKS	16,000	374	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING	-	-	9,000	$3,600	-	-
FALL	-	-	12,000	4,800	-	-
SCALLOPS, CALICO	-	-	-	-	180,600	$171,536
TURTLES, SOFT-SHELL	128,000	10,270	-	-	-	-
TOTAL	8,667,200	1,829,415	21,000	8,400	180,600	171,536

SPECIES	TONGS AND GRABS, OYSTER		RAKES		HOOKS	
					SPONGE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	500	$269	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	24,500	$10,905	-	-	-	-
FALL	9,000	4,055	-	-	-	-
PRIVATE:						
SPRING	74,000	29,795	-	-	-	-
FALL	30,600	14,971	-	-	-	-
SPONGES:						
GRASS	-	-	-	-	8,900	$10,607
SHEEPSWOOL	-	-	-	-	8,100	49,898
YELLOW	-	-	-	-	4,100	8,772
TOTAL	138,100	59,726	500	269	21,100	69,277

SPECIES	HOOKS - CONTINUED		BY HAND			
	OTHER		OYSTER		OTHER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	-	-	40,200	$20,052
CONCHS	7,200	$2,206	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	35,000	$18,924	-	-
FALL	-	-	20,000	10,920	-	-
PRIVATE:						
SPRING	-	-	17,700	10,144	-	-
FALL	-	-	9,500	5,415	-	-
TOTAL	7,200	2,206	82,200	45,403	40,200	20,052

SOUTH ATLANTIC FISHERIES

SUPPLEMENTARY TABLES

FLORIDA - OPERATING UNITS BY DISTRICTS, 1969

ITEM	EAST COAST	WEST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	1,029	3,811	4,550
ON BOATS AND SHORE:			
REGULAR	1,556	2,283	3,839
CASUAL	343	1,129	1,472
TOTAL	2,928	7,223	9,861
VESSELS, MOTOR	401	1,299	1,565
GROSS TONNAGE	17,619	64,268	73,826
BOATS:			
MOTOR	1,664	2,685	4,349
OTHER	6	28	34
GEAR:			
HAUL SEINES, COMMON	18	81	99
LENGTH, YARDS	9,900	58,450	68,350
PURSE SEINES:			
HERRING	-	4	4
LENGTH, YARDS	-	1,811	1,811
MENHADEN	2	1	3
LENGTH, YARDS	880	300	1,180
OTHER	3	7	10
LENGTH, YARDS	600	1,850	2,450
OTTER TRAWLS:			
SCALLOP, CALICO	-	2	2
YARDS AT MOUTH	-	18	18
SHRIMP	493	1,850	2,035
YARDS AT MOUTH	7,695	30,796	34,789
POUND NETS, FISH	9	-	9
FYKE AND HOOP NETS, FISH	50	-	50
POTS AND TRAPS:			
CRABS:			
BLUE	30,100	28,921	59,021
OTHER	2,200	35,975	38,175
EEL	120	40	160
FISH	12,670	634	13,304
LOBSTER, SPINY	67,700	96,955	160,755
GILL NETS:			
ANCHOR, SET OR STAKE	40	5	45
SQUARE YARDS	20,200	2,800	23,000
DRIFT:			
SHAD	9	-	9
SQUARE YARDS	10,050	-	10,050
OTHER	4	5	9
SQUARE YARDS	2,700	10,100	12,800
RUNAROUND	271	953	1,221
SQUARE YARDS	653,650	1,374,860	2,011,210
TRAMMEL NETS	35	303	338
SQUARE YARDS	39,300	381,846	421,146
LINES:			
HAND	428	2,176	2,599
HOOKS	733	8,705	9,430
TROLL	542	796	1,338
HOOKS	546	796	1,342
LONG OR SET WITH HOOKS	1,305	32	1,337
HOOKS	850,050	4,950	855,000
DIP NETS:			
COMMON	-	3	3
DROP	-	20	20
CAST NETS	-	14	14
SPEARS	-	59	59
DREDGES:			
CLAM	-	1	1
YARDS AT MOUTH	-	1	1
OYSTER, COMMON	2	-	2
YARDS AT MOUTH	2	-	2
SCALLOP, BAY	-	142	142
YARDS AT MOUTH	-	142	142
OTHER	4	2	6
YARDS AT MOUTH	10	2	12
TONGS:			
OYSTER	36	692	728
OTHER	-	1	1
RAKES	4	-	4
HOOKS:			
SPONGE	33	49	82
OTHER	2	-	2
DIVING OUTFITS, SPONGE	-	11	11

NOTE:--A TOTAL OF 465 FISHERMEN USING 539 MOTOR BOATS FISHED 10,170 FISH POTS AND TRAPS, AND 1,173 LONG OR SET LINES WITH 733,000 HOOKS IN THE INLAND LAKES OF FLORIDA. THESE OPERATING UNITS ARE INCLUDED WITH THOSE OF THE EAST COAST OF FLORIDA.

FLORIDA - LANDINGS BY DISTRICTS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	EAST COAST		WEST COAST		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	224	9	224	9
AMBERJACK	15	1	80	5	95	6
ANGELFISH	4	(1)	8	(1)	12	(1)
BALLYHOO	125	19	236	43	361	62
BARRACUDA	-	-	(1)	(1)	(1)	(1)
BLUEFISH	2,080	233	529	51	2,609	284
BLUE RUNNER	37	1	1,602	60	1,639	61
BONITO	3	(1)	8	(1)	11	(1)
CABIO	4	1	45	3	49	4
CATFISH AND BULLHEADS	11,735	2,498	12	3	11,747	2,501
CIGARFISH	-	-	305	36	305	36
CREVALLE	58	2	711	32	769	34
CROAKER	50	11	410	46	460	57
DOLPHIN	12	2	49	6	61	8
DRUM:						
BLACK	145	15	63	5	208	20
RED	119	23	586	95	705	118
EEL, COMMON	59	6	6	(1)	65	6
FLOUNDER	121	27	269	63	390	90
GOATFISH	61	9	-	-	61	9
GROUPER	522	111	7,072	1,367	7,594	1,478
GRUNT	32	3	310	40	342	43
HERRING, THREAD	298	4	5,590	61	5,888	65
HOGFISH	1	(1)	18	4	19	4
JEWFISH	46	7	102	7	148	14
KING WHITING OR "KINGFISH"	997	120	328	23	1,325	143
MACKEREL:						
KING	2,943	599	3,242	415	6,185	1,014
SPANISH	2,359	253	8,175	946	10,534	1,199
MENHADEN	19,394	259	382	13	19,776	272
MOJARRA	156	10	213	23	369	33
MULLET:						
BLACK (LISA)	2,385	189	25,476	2,190	27,861	2,379
SILVER	261	28	756	61	1,017	89
PERMIT	3	(1)	10	1	13	1
PIGFISH	21	1	38	3	59	4
POMPANO	333	324	651	627	984	951
SCUP OR PORGY	47	8	68	9	115	17
SEA BASS	70	15	305	39	375	54
SEA CATFISH	15	1	93	6	108	7
SEA TROUT OR WEAKFISH:						
GRAY	144	20	-	-	144	20
SPOTTED	680	230	2,419	738	3,099	968
WHITE	-	-	107	12	107	12
SHAD	390	61	-	-	390	61
SHARKS, UNCLASSIFIED	16	(1)	10	1	26	1
SHEEPSHEAD, SALT-WATER	207	21	294	29	501	50
SNAPPER:						
LANE	6	2	12	2	18	4
MANGROVE	106	34	480	123	586	157
MUTTON	77	39	135	45	212	84
RED	635	367	4,279	2,279	4,914	2,646
VERMILION	32	14	108	42	140	56
YELLOWTAIL	162	72	808	321	970	393
SPANISH SARDINES	-	-	360	14	360	14
SPOT	875	158	297	26	1,172	184
STURGEON, COMMON	-	-	12	1	12	1
TENPOUNDER	-	-	1,193	35	1,193	35
TILEFISH	5	1	1	(1)	6	1
TRIGGERFISH	2	(1)	22	2	24	2
TRIPLETAIL	5	(1)	(1)	(1)	5	(1)
WARSAW	31	5	155	20	186	25
UNCLASSIFIED:						
FOR FOOD	339	28	1,311	121	1,650	149
FOR BAIT, REDUCTION, AND ANIMAL FOOD	566	10	344	11	910	21
TOTAL FISH	48,789	5,842	70,319	10,114	119,108	15,956
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	5,724	557	11,584	1,074	17,308	1,631
SOFT AND PEELER	(1)	(1)	(1)	(1)	(1)	(1)
STONE	108	60	1,258	696	1,366	756
TOTAL CRABS	5,832	617	12,842	1,770	18,674	2,387

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

FLORIDA - LANDINGS BY DISTRICTS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	EAST COAST		WEST COAST		TOTAL	
SHELLFISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
LOBSTER, SPINY.	2,929	1,933	4,653	3,325	7,582	5,258
SHRIMP.	5,188	3,298	22,964	12,021	28,152	15,319
CLAMS:						
HARD, PUBLIC.	41	20	11	6	52	26
SUNRAY VENUS.	-	-	636	65	636	65
CONCHS.	7	2	-	-	7	2
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	60	30	2,924	1,097	2,984	1,127
FALL.	29	15	1,735	656	1,764	671
PRIVATE:						
SPRING.	101	44	167	64	268	108
FALL.	52	25	86	34	138	59
TOTAL OYSTERS	242	114	4,912	1,851	5,154	1,965
SCALLOPS:						
BAY	-	-	80	61	80	61
CALICO.	181	172	16	8	197	180
SQUID	4	1	42	7	46	8
TURTLES:						
GREEN, SEA.	(1)	(1)	12	3	12	3
LOGGERHEAD.	-	-	1	(1)	1	(1)
SOFT-SHELL.	128	10	-	-	128	10
SPONGES:						
GRASS	9	11	1	2	10	13
SHEEPSWOOL.	8	50	31	282	39	332
YELLOW.	4	9	5	9	9	18
TOTAL SHELLFISH, ETC.	14,573	6,237	46,206	19,410	60,779	25,647
GRAND TOTAL	63,362	12,079	116,525	29,524	179,887	41,603

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE LANDINGS OF 10,055,200 POUNDS OF CATFISH AND BULLHEADS (VALUED AT $2,161,868) AND 128,000 POUNDS OF SOFT-SHELL TURTLES (VALUED AT $10,270) TAKEN FROM THE INLAND LAKES ARE INCLUDED WITH THE EAST COAST OF FLORIDA FOR THE PURPOSE OF THIS REPORT. THE "EAST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM NASSAU TO DADE, INCLUSIVE, WHILE THE "WEST COAST OF FLORIDA" INCLUDES THOSE FROM MONROE TO ESCAMBIA, INCLUSIVE.

SOUTH ATLANTIC FISHERIES

SOUTH ATLANTIC SHRIMP FISHERY

SUMMARY OF SHRIMP LANDINGS, 1969

SIZE	BROWN		PINK		WHITE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNDER 15	-	-	-	-	38	$57
15 - 20	252,217	$311,913	13,946	$17,480	18,149	$22,956
21 - 25	904,805	1,066,215	48,668	57,077	988,358	1,179,578
26 - 30	880,535	941,232	46,078	47,919	2,193,340	2,472,883
31 - 40	2,149,721	1,956,711	220,199	194,523	3,620,761	3,540,019
41 - 50	730,122	546,139	442,516	320,863	2,133,389	1,749,658
51 - 67	373,814	238,761	289,856	180,771	1,656,858	1,101,571
68 AND OVER	31,872	16,370	-	-	372,709	167,952
TOTAL	5,323,086	5,077,341	1,061,263	818,633	10,983,602	10,234,674

SIZE	ROYAL RED		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
UNDER 15	-	-	38	$57
15 - 20	-	-	284,312	352,349
21 - 25	25,731	$29,947	1,967,562	2,332,817
26 - 30	1,544	1,717	3,121,497	3,463,751
31 - 40	7,059	6,485	5,997,740	5,697,738
41 - 50	17,209	14,404	3,323,236	2,631,064
51 - 67	3,985	3,047	2,324,513	1,524,150
68 AND OVER	-	-	404,581	184,322
TOTAL	55,528	55,600	17,423,479	16,186,248

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS AND ARE NOT DIRECTLY COMPARABLE WITH THE VOLUME DATA PUBLISHED IN THE GENERAL REVIEW AND REGIONAL TABLES WHICH REPRESENT THE ROUND WEIGHT OF THE CATCH. THE POUNDS OF HEADS-OFF SHRIMP MAY BE CONVERTED TO HEADS-ON (ROUND) WEIGHT BY MULTIPLYING BROWN SHRIMP BY 1.61, PINK BY 1.60, WHITE BY 1.54, AND ROYAL RED BY 1.80.

SOUTH ATLANTIC SHRIMP LANDINGS, BY SPECIES AND SIZE, 1969

SPECIES AND SIZE	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
15 - 20	251,027	$310,364	-	-	-	-
21 - 25	848,737	997,668	10,668	$12,733	30,914	$38,227
26 - 30	486,514	506,012	146,643	161,290	189,744	211,879
31 - 40	1,404,524	1,249,935	342,745	322,343	276,178	266,645
41 - 50	452,848	325,059	188,903	150,785	46,405	37,430
51 - 67	194,861	119,120	75,763	51,693	14,193	9,841
68 AND OVER	18,152	8,895	504	262	2,020	1,232
TOTAL	3,656,663	3,517,053	765,226	699,106	559,454	565,254
PINK:						
15 - 20	13,946	17,480	-	-	-	-
21 - 25	48,668	57,077	-	-	-	-
26 - 30	46,078	47,919	-	-	-	-
31 - 40	220,199	194,523	-	-	-	-
41 - 50	441,880	320,399	-	-	-	-
51 - 67	289,856	180,771	-	-	-	-
TOTAL	1,060,627	818,169	-	-	-	-

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SOUTH ATLANTIC FISHERIES

SOUTH ATLANTIC SHRIMP LANDINGS, BY SPECIES AND SIZE, 1969 - Continued

SPECIES AND SIZE	NORTH CAROLINA		SOUTH CAROLINA		GEORGIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
WHITE:						
15 - 20	-	-	-	-	106	$143
21 - 25	-	-	120,870	$146,257	242,964	297,820
26 - 30	8,661	$9,012	713,425	805,664	751,314	867,093
31 - 40	87,386	78,093	1,013,761	982,420	1,474,385	1,474,676
41 - 50	56,250	39,749	542,582	443,765	1,149,117	956,110
51 - 67	23,019	13,752	438,862	284,884	1,080,014	732,554
68 AND OVER	-	-	147,773	66,365	202,379	90,394
TOTAL	175,316	140,606	2,977,273	2,729,355	4,900,279	4,418,790
GRAND TOTAL	4,892,606	4,475,828	3,742,499	3,428,461	5,459,733	4,984,044

SPECIES AND SIZE	FLORIDA, EAST COAST		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE
BROWN:				
15 - 20	1,190	$1,549	252,217	$311,913
21 - 25	14,486	17,587	904,805	1,066,215
26 - 30	57,634	62,051	880,535	941,232
31 - 40	126,274	117,788	2,149,721	1,956,711
41 - 50	41,966	32,865	730,122	546,139
51 - 67	88,997	58,107	373,814	238,761
68 AND OVER	11,196	5,981	31,872	16,370
TOTAL	341,743	295,928	5,323,086	5,077,341
PINK:				
15 - 20	-	-	13,946	17,480
21 - 25	-	-	48,668	57,077
26 - 30	-	-	46,078	47,919
31 - 40	-	-	220,199	194,523
41 - 50	636	464	442,516	320,863
51 - 67	-	-	289,856	180,771
TOTAL	636	464	1,061,263	818,633
WHITE:				
UNDER 15.	38	57	38	57
15 - 20	18,043	22,813	18,149	22,956
21 - 25	624,524	735,501	988,358	1,179,578
26 - 30	719,940	791,114	2,193,340	2,472,883
31 - 40	1,045,229	1,004,830	3,620,761	3,540,019
41 - 50	385,440	310,034	2,133,389	1,749,658
51 - 67	114,963	70,381	1,656,858	1,101,571
68 AND OVER	22,557	11,193	372,709	167,952
TOTAL	2,930,734	2,945,923	10,983,602	10,234,674
ROYAL RED:				
21 - 25	25,731	29,947	25,731	29,947
26 - 30	1,544	1,717	1,544	1,717
31 - 40	7,059	6,485	7,059	6,485
41 - 50	17,209	14,404	17,209	14,404
51 - 67	3,985	3,047	3,985	3,047
TOTAL	55,528	55,600	55,528	55,600
GRAND TOTAL	3,328,641	3,297,915	17,423,479	16,186,248

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUMBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON WEIGHT MULTIPLY BY 1.61 FOR BROWN, 1.60 FOR PINK, 1.54 FOR WHITE, 1.53 FOR SEA BOBS, AND 1.80 FOR ROYAL RED. THE STATES LISTED REPRESENT THE STATES WHERE THE SHRIMP WERE LANDED REGARDLESS OF WHERE CAUGHT. THE NAMES OF THE SPECIES USED IN THESE TABLES ARE AS FOLLOWS: WHITE SHRIMP (MOSTLY PENAEUS SETIFERUS), BROWN SHRIMP (MOSTLY PENAEUS AZTECUS), PINK SHRIMP (MOSTLY PENAEUS DUORARUM), SEA BOBS (MOSTLY XIPHOPENAEUS KROYERI), AND ROYAL RED (MOSTLY HYMENOPENAEUS ROBUSTUS). THE VALUE REPORTED IS THE AMOUNT RECEIVED BY THE OWNERS OR OPERATORS OF THE VESSELS FOR THE FIRST SALE AT THE DOCK. ANY EXPENSES INVOLVED IN HANDLING OR PROCESSING ASHORE ARE NOT INCLUDED, EVEN THOUGH CHARGEABLE TO THE VESSEL. THE SIZE REPORTED GENERALLY IS THAT USED AS OF THE FIRST SALE. SIZE GRADING IN VARYING DEGREES OF UNIFORMITY MAY OR MAY NOT OCCUR AT, OR PRIOR TO, THE TIME FIRST SALES ARE MADE. IF GRADING IS NOT DONE AT THIS TIME, THE SIZE REPORTED IS AN AVERAGE SIZE AND MAY INCLUDE SEVERAL SIZE CLASSIFICATIONS.

SECTION 6 - GULF FISHERIES

The commercial landings of fish and shellfish at ports of the Gulf States (West Coast of Florida, Alabama, Mississippi, Louisiana, and Texas) were a record 1.6 billion pounds with a dockside value of $152.3 million. Compared to the previous year the volume of landings increased by over 326 million pounds; the dockside value increased about $13.4 million and also established a new record. Nearly all of the volume increase was due to record menhaden landings. The increased value of landings were due to record-high exvessel shrimp prices throughout most of the year and price advances on other choice species. Louisiana, in addition to its traditional role as the national volume leader, achieved another "first" in 1969--it became the first State in which the volume of commercial landings exceeded 1 billion pounds. Compared to the previous year, landings in Louisiana were up nearly 249 million pounds and Mississippi's landings increased by over 66 million pounds. Increased menhaden landings were primarily responsible for the volume increase in both States. Texas and Alabama landings were 11.6 and 1.9 million pounds, respectively, above those of 1968. Florida landings decreased 2.8 million pounds below those of the previous year. A new record for dockside value of landings was established in each Gulf State except Texas. Value in Florida increased 6 percent above the previous year; Mississippi, 7 percent; Alabama, 10 percent; and Louisiana, over 29 percent. In Texas the value was 5 percent less than the previous year.

Weather. Since 1959 there has been a pattern of extensive damage to fishery installations and fishing craft by hurricanes in alternate years. In 1959, hurricane Deborah struck the Galveston, Tex., area; in 1961, Carla devasted the Port Lavaca-Palacios, Tex., area; in 1963, Cindy battered most of the Texas coast, but damage to the fisheries was less than in the previous hurricanes; in 1965, Betsy hit the Plaquemines, St. Bernard, and Jefferson Parishes of Louisiana; and, in 1967, Beulah heavily damaged the shrimp industry at Brownsville-Port Isabel, Tex. With respect to damage to the commercial fisheries, in 1969 hurricane Camille dwarfed all others. Winds, estimated by some observers to be as high as 200 m.p.h., battered Mississippi's Gulf Coast and areas of St. Bernard and Plaquemines Parishes in Louisiana. Six of the major oyster and shrimp canneries fronting on Mississippi Sound in Biloxi were destroyed completely, and plants in the "back bay" area of Biloxi were damaged extensively. In addition to structural damage to, or complete destruction of, plants, about 175,000 cases of of canned shrimp, oysters, and crabmeat, valued at nearly $2 million were damaged by silt or water. Salvage of this inventory was complicated because lables were removed as a result of immersion in water. About 75 percent of this canned inventory was cleaned and salvaged. Damage to fishing craft was minimal because owners had sufficient warning to move them to more sheltered waters. Total damages inflicted in Louisiana and Mississippi were estimated to be over $1 billion. Hurricane Laurie developed in the Gulf during October 21-24, but a mass of cold air forced it east along the West Coast of Florida where it broke up into a small storm.

A freak storm with near hurricane force winds and violent thunderstorms struck the coastal bend and upper Texas coast on February 14. About one hundred shrimp trawlers suffered light to moderate damage, and several piers and dock structures were destroyed.

Shrimp. The greatest volume (82.9 million pounds, heads-on weight) of shrimp landed in Louisiana since 1945 helped to hold Gulf landings at the 200-million-pound level. Texas landings were about 12.6 million pounds below the previous year; Florida, down 4.3 million pounds; Mississippi down 1.3 million; and Alabama, down nearly one-half million pounds. Total Gulf landings of 200.4 million pounds (heads-on weight) were, however, only 3.6 million below 1968.

Exvessel prices continued on an upward trend with record highs paid during several months of the year. As a result, total value of the landings ($101.1 million) increased $5.2 million over the previous year. Compared to 1968 the greatest advance in the average annual price per pound was for medium-size shrimp. Average exvessel price for 41/50 count (number of tails per pound) was 75 cents, 12 cents above the previous year; an annual average of 90 cents per pound for 31/40 count was 11 cents higher than in 1968. Exvessel prices for jumbo and large shrimp were 2 to 5 cents above the previous year's average and for small and tiny, 4 to 8 cents higher.

Brown and white shrimp continued to be abundant, in Louisiana and Texas waters. The grounds between the mouth of the Mississippi River and the Louisiana-Texas border continued to be the most productive with about 40 percent of the total Gulf landings caught on those grounds. Next in volume was Texas waters, which accounted for nearly 28 percent of the total landings. Catches from the Sanibel-Tortugas grounds were again disappointing--landings from this area (15.8 million pounds, heads-on weight) were about the same as the 2 previous years. During the period 1964-66 catches from these grounds ranged from 12.4 to 13.3 million pounds (heads-on weight). On the grounds off Apalachicola, the high seas off Mexico west of longitude 94° W. and the high seas off Obregon and Campeche, catches were far below the levels of the previous year. This decrease was in part due to vessels concentrating their trawling on the grounds off Louisiana and Texas where shrimp were more abundant.

There was a significant change in the species composition of landings compared to the previous year. Brown shrimp accounted for 52 percent of total landings compared to 62 percent in 1968; white shrimp were 35 percent compared to 24 percent the previous year; and pink shrimp (including P. brasiliensis as well as P. duorarum) were 12 percent in 1969 compared to 14 percent in 1968. The largest volume of royal red shrimp (486,000 pounds, heads-on-weight) was landed during the year as more trawlers explored the potential of this fishery in the deep (210-250 fathoms) offshore waters of the Gulf.

There were 3,567 vessels active in the Gulf shrimp fishery--137 more than the previous year. Some evidence of industry confidence in the future of this fishery is demonstrated by the fact that over one-third (about 1,200 vessels) of the fleet were constructed during the 5-year period 1965-69. As usual, a number of trawlers with home ports in the South Atlantic States fished the Gulf shrimp grounds for short periods during the year and landed their catches at Gulf ports.

Menhaden. Landings of 1,155 million pounds were 332 million pounds greater than the previous year and topped the previous record year (1962) by nearly 100 million pounds. There were 75 purse seiners active in the fishery, but two were relatively small vessels which made only a slight contribution to total landings. In 1968 the fishery had 78 active seiners. The market for menhaden byproducts (meal, oil, and solubles) was generally steady. The export market for menhaden oil improved greatly, with total U.S. exports nearly triple the volume of the previous year when exports of this commodity reached the lowest level in many years.

Food finfish. Total landings of 95.8 million pounds were 8 percent higher than the previous year, and the dockside value ($15.7 million) was 13 percent above 1968. Seven species accounted for more than 76 percent of the volume and 79 percent of the value; landings of only two of the species were below the level of 1968. Landings of red snapper (9.5 million pounds) were one million pounds less than the previous year and were the lowest volume landed since 1957. Abundance of red snapper apparently has declined generally on all major grounds fished by the Gulf fleet. Fishing for this species in the Caribbean was cut back because of smaller catches and the hazard of possible seizure for violating territorial claims of countries in that area. Spotted (speckled) sea trout landings (4.6 million pounds) were 1.3 million pounds less than the previous year, because of a decrease of over 0.6 million pounds in each of the principal producing States, Florida and Texas.

The greatest gain over the previous year was in black mullet landings, which surpassed the 1968 volume (24.3 million pounds) by about 5 million pounds. In addition to an increased abundance in Florida waters, a sustained good demand gave fishermen a ready market for their catches. Freshwater catfish landings (centered in the coastal parishes of Louisiana) also made a significant gain--

4.4 million pounds as compared to 3.4 million in 1968. Greater effort was expended in the grouper fishery because of record dockside prices (19 cents per pound annual average). As a result, landings of 7.6 million pounds were 11 percent greater than the previous year. King and Spanish mackerel landings, caught mostly in the Florida area, were 7 percent above 1968; average price for the year held at about the same level as the previous year. Additional gains were made in the comparatively new trawl fishery for croakers for human consumption. Landings by Alabama and Mississippi trawlers, which were about 97 percent of the total landings of croakers, were 4.2 million pounds as compared to about 3 million pounds in 1968. There was a ready market for this species along the Atlantic coast as abundance in those waters continued at very low levels. The first known commercial landings of swordfish were made at Pascagoula, Miss., in 1969. Exploratory fishing cruises by the Service's Exploratory Fishing and Gear Research Base, Pascagoula, had delineated the availability of this species in commercial quantities in the deep waters off the Mississippi River delta particularly during the winter, when swordfish are not normally taken in New England waters.

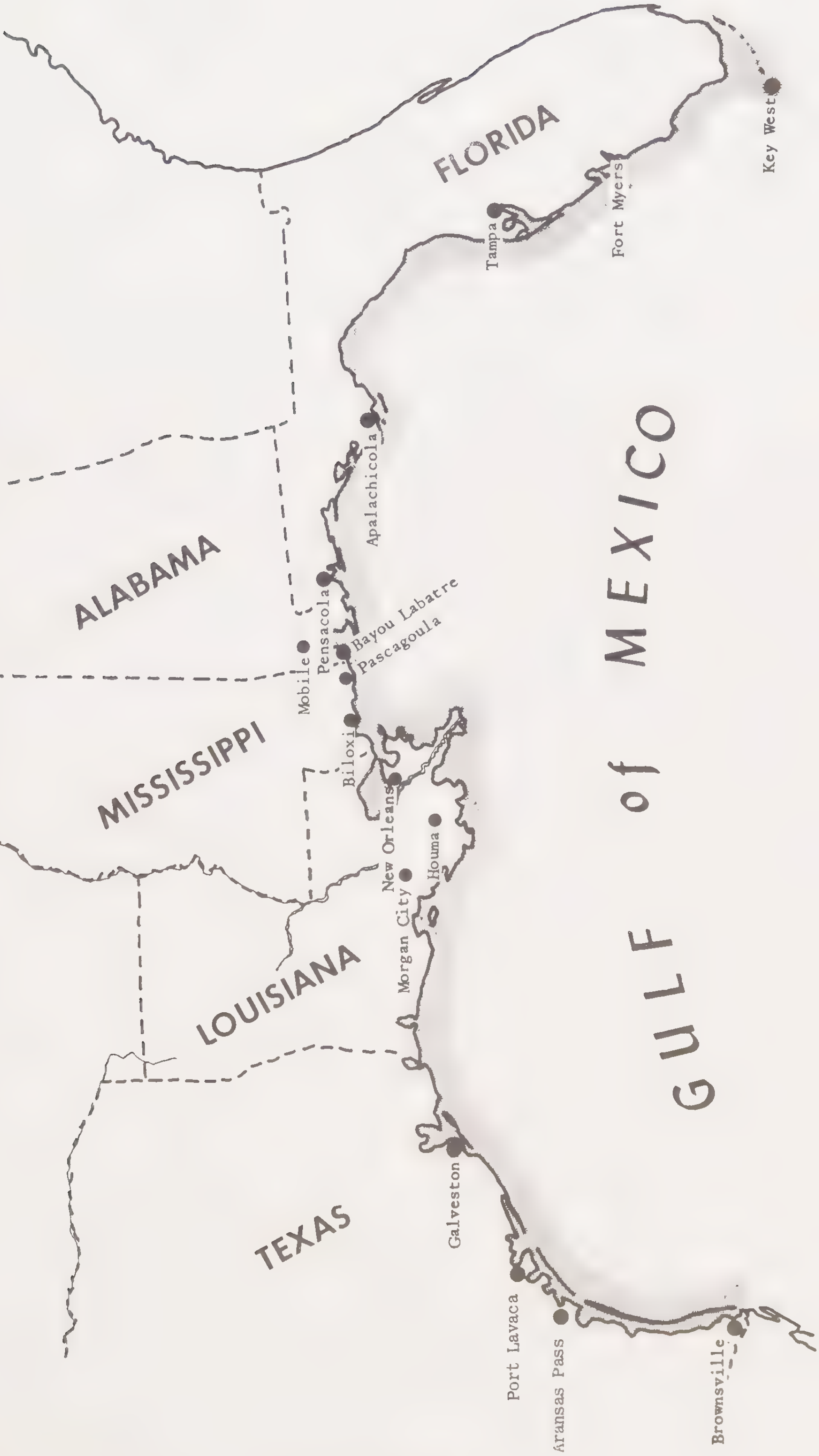
Oysters. This was one of the few major fisheries of the Gulf which experienced a very poor year--landings of 19.8 million pounds of meats were nearly 7 million pounds less than the previous year. The dockside value ($8.1 million) was a decline of $2.1 million compared with the previous year. The sharpest decline occurred in Louisiana with landings 3.9 million pounds less than in 1968; Mississippi landings were down 2.4 million pounds; Alabama, 0.7 million pounds; and Florida, 0.4 million pounds. Texas landings were nearly one-half million pounds more than the previous year. Several factors contributed to the reduced landings. In Alabama, reefs were closed during the normal peak of production because of the threat of pollution from spring floods; in addition there was heavy mortality on some reefs due to silt deposited in the aftermath of hurricane Camille. In addition to hurricane damage to reefs in Mississippi, there was also a high mortality on natural reefs during the summer. In Louisiana hurricanes also damaged the reefs, but the primary reason for reduced landings was that canners needed only a small volume. Gulf canners doubted their ability to compete with lower priced imported canned oysters, particularly in view of the ever-increasing volume of these imports.

Spiny Lobster. This fishery continued to gain in stature as a major economic mainstay of the commercial fisheries in Florida. Landings of 4.7 million pounds (round weight) were worth over $3.3 million; both the volume and value were about 18 percent above that of 1968. During the fall dockside prices decreased because of liberal supplies. The Bahamian Government's extension of their fishery jurisdiction to 12 miles seaward is anticipated to decrease catches by United States fishermen in those waters. Many of the more productive areas are located in the area between 3 and 12 miles from various islands or cays claimed by Bahama.

Hard Blue Crabs. Most fishermen experienced a good year--landings of 33.2 million pounds of crabs were 7.4 million pounds more than in 1968. In addition, the average dockside price of 9 1/2 cents per pound was about 18 percent higher than the previous year. In Florida, Louisiana, and Texas, landings surpassed those of the previous year by over 2 million pounds for each State; Mississippi landings were up 0.6 million pounds. Alabama was the only State with a decrease; landings were about 60,000 pounds below the previous year. During the summer when catches were excellent some processors had to limit purchases of crabs because of a shortage of skilled crab-meat pickers. The market for crab meat was fairly steady; the demand weakened only during periods of peak production for a few weeks in the summer.

Other information. The following tables contain summarized and detailed information on the 1969 operating units and landings of fish and shellfish in the Gulf States. Seasonal variations in the landings of fish and shellfish in Florida, Alabama, Mississippi, Louisiana, and Texas can be ascertained from monthly and annual landings bulletins issued for each of these States. Additional data on many aspects of the Gulf States may be found in daily, monthly, and annual reports published by the New Orleans, La., BCF Fishery Market News Office.

Acknowledgments. The following organizations helped collect the data appearing in this section: Florida State Board of Conservation, Alabama Department of Conservation, Mississippi Marine Conservation Commission, Louisiana Wild Life and Fisheries Commission, and Texas Parks and Wildlife Department.


FLORIDA
ALABAMA
MISSISSIPPI
LOUISIANA
TEXAS
GULF of MEXICO
Key West
Fort Myers
Tampa
Apalachicola
Pensacola
Mobile
Bayou Labatre
Pascagoula
Biloxi
New Orleans
Houma
Morgan City
Galveston
Port Lavaca
Aransas Pass
Brownsville

GULF STATES

GULF FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FLORIDA, WEST COAST	70	10	46	19	117	30
ALABAMA	11	1	17	9	29	11
MISSISSIPPI	295	6	12	5	307	11
LOUISIANA	896	15	107	39	1,003	54
TEXAS	79	2	81	45	159	47
TOTAL	1,351	35	263	118	1,615	152

NOTE:--FOR THE PURPOSE OF THIS REPORT THE "WEST COAST OF FLORIDA" INCLUDES THE COASTAL COUNTIES FROM MONROE TO ESCAMBIA, INCLUSIVE. THIS TABLE MAY NOT ADD DUE TO ROUNDING.

SUMMARY OF OPERATING UNITS, 1969

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	3,811	1,403	1,832	5,538	5,484	13,163
ON BOATS AND SHORE:						
REGULAR	2,283	616	405	3,421	645	7,370
CASUAL	1,129	271	663	1,970	552	4,585
TOTAL	7,223	2,290	2,900	10,929	6,681	25,118
VESSELS, MOTOR	1,299	520	551	1,766	1,917	4,320
GROSS TONNAGE	64,268	28,233	30,370	107,224	120,717	236,197
BOATS:						
MOTOR	2,685	570	1,199	4,829	953	10,205
OTHER	28	93	12	52	50	235
GEAR:						
HAUL SEINES, COMMON	81	-	-	22	19	122
LENGTH, YARDS	58,450	-	-	4,180	4,413	67,043
PURSE SEINES:						
HERRING	4	-	-	-	-	4
LENGTH, YARDS	1,811	-	-	-	-	1,811
MENHADEN	1	-	15	60	12	76
LENGTH, YARDS	300	-	7,500	32,634	5,645	40,434
OTHER	7	-	-	-	-	7
LENGTH, YARDS	1,850	-	-	-	-	1,850
BUTTERFLY NETS, SHRIMP	-	-	-	807	-	807
YARDS AT MOUTH	-	-	-	3,150	-	3,150
OTTER TRAWLS:						
FISH	-	-	60	23	-	82
YARDS AT MOUTH	-	-	1,231	506	-	1,714
SCALLOP	2	-	-	-	-	2
YARDS AT MOUTH	18	-	-	-	-	18
SHRIMP	1,850	1,000	1,374	6,122	3,895	11,107
YARDS AT MOUTH	30,796	16,949	18,628	94,924	65,979	171,316
FYKE AND HOOP NETS, FISH	-	120	-	18,730	-	18,850
POTS AND TRAPS:						
CRAB:						
BLUE	28,921	13,490	4,250	67,925	14,440	129,026
OTHER	35,975	-	-	-	-	35,975
CRAWFISH	-	-	-	19,810	-	19,810
EEL	40	-	-	-	-	40
FISH	634	90	-	2,076	-	2,800
LOBSTER, SPINY	96,955	-	-	-	-	96,955
GILL NETS:						
ANCHOR, SET OR STAKE	5	-	-	397	21	423
SQUARE YARDS	2,800	-	-	111,597	7,700	122,097
DRIFT	5	-	-	-	-	5
SQUARE YARDS	10,100	-	-	-	-	10,100
RUNAROUND	953	18	5	-	-	976
SQUARE YARDS	1,374,860	10,800	6,300	-	-	1,391,960
TRAMMEL NETS	303	117	36	116	67	639
SQUARE YARDS	381,846	115,550	20,150	46,705	27,900	592,151

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:						
LINES:						
HAND	2,176	133	170	86	460	2,959
HOOKS	8,705	746	2,210	144	2,762	13,633
TROLL	796	-	-	-	-	796
HOOKS	796	-	-	-	-	796
LONG OR SET WITH HOOKS	32	-	1	1,547	107	1,687
HOOKS	4,950	-	750	581,340	110,500	697,540
TROT WITH BAITS	-	-	4	571	-	575
BAITS	-	-	2,400	375,530	-	377,930
DIP NETS:						
COMMON	3	-	-	13	-	16
DROP	20	-	-	8,840	-	8,860
CAST NETS	14	-	-	-	-	14
SPEARS	59	47	-	-	65	171
DREDGES:						
CLAM	1	-	-	-	-	1
YARDS AT MOUTH	1	-	-	-	-	1
OYSTER, COMMON	-	6	208	761	257	1,161
YARDS AT MOUTH	-	9	243	859	257	1,292
SCALLOP, BAY	142	-	-	-	-	142
YARDS AT MOUTH	142	-	-	-	-	142
OTHER	2	-	-	-	-	2
YARDS AT MOUTH	2	-	-	-	-	2
TONGS:						
OYSTER	692	639	475	182	35	2,023
OTHER	1	-	-	-	-	1
BRUSH TRAPS	-	-	-	38,300	-	38,300
GRABS, FROG	-	-	-	70	-	70
HOOKS	49	-	-	-	-	49
DIVING OUTFITS	11	-	-	-	-	11

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	224	9	-	-	-	-
AMBERJACK	80	5	-	-	-	-
ANGELFISH	8	(1)	-	-	-	-
BALLYHOO	236	43	-	-	-	-
BARRACUDA	(1)	(1)	-	-	-	-
BLUEFISH	529	51	32	2	26	3
BLUE RUNNER	1,602	60	(1)	(1)	4	(1)
BONITO	8	(1)	-	-	-	-
BUFFALOFISH	-	-	7	1	-	-
CABIO	45	3	9	1	(1)	(1)
CATFISH AND BULLHEADS	12	3	32	10	-	-
CIGARFISH	305	36	-	-	-	-
CREVALLE	711	32	-	-	-	-
CROAKER	410	46	3,687	458	647	79
DOLPHIN	49	6	-	-	-	-
DRUM:						
BLACK	63	5	43	3	114	7
RED	586	95	51	7	100	13
EEL, COMMON	6	(1)	-	-	-	-
FLOUNDERS	269	63	540	87	123	16
GROUPER	7,072	1,367	249	30	266	32
GRUNT	310	40	-	-	-	-
HERRING, THREAD	5,590	61	-	-	-	-
HOGFISH	18	4	-	-	-	-
JEWFISH	102	7	50	5	-	-
KING WHITING OR "KINGFISH"	328	23	661	33	254	15
MACKEREL:						
KING	3,242	415	-	-	-	-
SPANISH	8,175	946	85	6	12	1

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MENHADEN	382	13	-	-	225,377	3,306
MOJARRA	213	23	-	-	-	-
MULLET:						
BLACK (LISA)	25,476	2,190	3,193	176	388	19
SILVER	756	61	-	-	-	-
PADDLEFISH	-	-	4	1	-	-
PERMIT	10	1	-	-	-	-
PIGFISH	38	3	-	-	-	-
POMPANO	651	627	4	2	-	-
SCUP OR PORGY	68	9	-	-	-	-
SEA BASS	305	39	-	-	-	-
SEA CATFISH	93	6	121	6	45	2
SEA TROUT OR WEAKFISH:						
SPOTTED	2,419	738	98	28	221	55
WHITE	107	12	816	41	132	8
SHARKS	10	1	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	-	-	6	1	-	-
SALT-WATER	294	29	154	9	165	13
SNAPPERS:						
LANE	12	2	-	-	-	-
MANGROVE	480	123	-	-	-	-
MUTTON	135	45	-	-	-	-
RED	4,279	2,279	1,246	375	2,968	959
VERMILION	108	42	-	-	-	-
YELLOWTAIL	808	321	-	-	-	-
SPANISH SARDINES	360	14	-	-	-	-
SPOT	297	26	43	3	1	(1)
STURGEON, COMMON	12	1	-	-	-	-
SWORDFISH	-	-	-	-	2	1
TENPOUNDER	1,193	35	-	-	-	-
TILEFISH	1	(1)	-	-	-	-
TRIGGERFISH	22	2	-	-	-	-
TRIPLETAIL	(1)	(1)	-	-	-	-
WARSAW	155	20	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	1,311	121	-	-	-	-
FOR BAIT, REDUCTION, AND ANIMAL FOOD	344	11	-	-	64,015	1,259
TOTAL FISH	70,319	10,114	11,131	1,285	294,860	5,788
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	11,584	1,074	1,920	223	1,740	177
SOFT AND PEELER	(1)	(1)	-	-	(1)	(1)
STONE	1,258	696	-	-	-	-
TOTAL CRABS	12,842	1,770	1,920	223	1,740	177
LOBSTERS, SPINY	4,653	3,325	-	-	-	-
SHRIMP, SALT-WATER	22,964	12,021	14,976	8,788	8,906	4,011
CLAMS:						
HARD, PUBLIC	11	6	-	-	-	-
SUNRAY VENUS	636	65	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING	2,924	1,097	114	59	1,112	416
FALL	1,735	656	285	148	228	109
PRIVATE:						
SPRING	167	64	61	33	90	27
FALL	86	34	21	11	-	-
TOTAL OYSTERS	4,912	1,851	481	251	1,430	552
SCALLOPS:						
BAY	80	61	-	-	-	-
CALICO	16	8	-	-	-	-
TOTAL SCALLOPS	96	69	-	-	-	-
SQUID	42	7	7	1	-	-
TURTLES:						
GREEN	12	3	-	-	-	-
LOGGERHEAD	1	(1)	-	-	-	-
TOTAL TURTLES	13	3	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
SHELLFISH, ETC. - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SPONGES:						
GRASS	1	2	-	-	-	-
SHEEPSWOOL	31	282	-	-	-	-
YELLOW	5	9	-	-	-	-
TOTAL SPONGES	37	293	-	-	-	-
TOTAL SHELLFISH, ETC.	46,206	19,410	17,384	9,263	12,076	4,740
GRAND TOTAL	116,525	29,524	28,515	10,548	306,936	10,528

SPECIES	LOUISIANA		TEXAS		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	-	-	-	-	224	9
AMBERJACK	-	-	-	-	80	5
ANGELFISH	-	-	-	-	8	(1)
BALLYHOO	-	-	-	-	236	43
BARRACUDA	-	-	-	-	(1)	(1)
BLUEFISH	(1)	(1)	-	-	587	56
BLUE RUNNER	-	-	-	-	1,606	60
BONITO	-	-	-	-	8	(1)
BOWFIN	14	1	-	-	14	1
BUFFALOFISH	917	121	20	4	944	126
CABIO	2	(1)	14	2	70	6
CARP	16	1	-	-	16	1
CATFISH AND BULLHEADS	4,313	1,215	5	2	4,362	1,230
CIGARFISH	-	-	-	-	305	36
CREVALLE	-	-	-	-	711	32
CROAKER	427	86	84	5	5,255	674
DOLPHIN	-	-	-	-	49	6
DRUM:						
BLACK	478	32	610	79	1,308	126
RED	782	114	1,083	232	2,602	461
EEL, COMMON	-	-	-	-	6	(1)
FLOUNDERS	307	50	294	64	1,533	280
GARFISH	547	44	40	2	587	46
GROUPER	4	1	53	5	7,644	1,435
GRUNT	-	-	-	-	310	40
HERRING, THREAD	-	-	-	-	5,590	61
HOGFISH	-	-	-	-	18	4
JEWFISH	3	(1)	-	-	155	12
KING WHITING OR "KINGFISH"	434	36	66	3	1,743	110
MACKEREL:						
KING	-	-	-	-	3,242	415
SPANISH	70	6	-	-	8,342	959
MENHADEN	856,251	12,764	73,193	1,233	1,155,203	17,316
MOJARRA	-	-	-	-	213	23
MULLET:						
BLACK (LISA)	88	3	182	6	29,327	2,394
SILVER	-	-	-	-	756	61
PADDLEFISH	3	(1)	-	-	7	1
PERMIT	-	-	-	-	10	1
PIGFISH	-	-	-	-	38	3
POMPANO	6	4	4	1	665	634
SAWFISH	3	(1)	-	-	3	(1)
SCUP OR PORGY	-	-	-	-	68	9
SEA BASS	-	-	-	-	305	39
SEA CATFISH	102	10	65	4	426	28
SEA TROUT OR WEAKFISH:						
SPOTTED	720	215	1,173	257	4,631	1,293
WHITE	101	10	18	2	1,174	73
SHAD	1	(1)	-	-	1	(1)
SHARKS	3	(1)	-	-	13	1
SHEEPSHEAD:						
FRESH-WATER	281	27	-	-	287	28
SALT-WATER	313	20	213	19	1,139	90
SNAPPERS:						
LANE	-	-	-	-	12	2
MANGROVE	-	-	-	-	480	123
MUTTON	-	-	-	-	135	45
RED	130	35	925	342	9,548	3,990
VERMILION	-	-	-	-	108	42
YELLOWTAIL	-	-	-	-	808	321

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LOUISIANA		TEXAS		TOTAL	
FISH - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SPANISH SARDINES	-	-	-	-	360	14
SPOT	14	1	-	-	355	30
STURGEON, COMMON	-	-	-	-	12	1
SWORDFISH	-	-	-	-	2	1
TENPOUNDER	-	-	-	-	1,193	35
TILEFISH	-	-	-	-	1	(1)
TRIGGERFISH	-	-	-	-	22	2
TRIPLETAIL	1	(1)	-	-	1	(1)
WARSAW	(1)	(1)	20	2	175	22
UNCLASSIFIED:						
FOR FOOD	-	-	176	9	1,487	130
FOR BAIT, REDUCTION, AND ANIMAL FOOD	29,900	452	323	12	94,582	1,734
TOTAL FISH	896,231	15,248	78,561	2,285	1,351,102	34,720
SHELLFISH, ETC.						
CRABS:						
BLUE:						
HARD	11,602	1,072	6,343	599	33,189	3,145
SOFT AND PEELER	197	161	-	-	197	161
STONE	-	-	-	-	1,258	696
TOTAL CRABS	11,799	1,233	6,343	599	34,644	4,002
CRAWFISH, FRESH-WATER	3,027	600	-	-	3,027	600
LOBSTERS, SPINY	-	-	-	-	4,653	3,325
SHRIMP:						
FRESH-WATER	7	2	-	-	7	2
SALT-WATER	82,881	33,356	70,695	42,884	200,422	101,060
CLAMS:						
HARD, PUBLIC	-	-	-	-	11	6
SUNRAY VENUS	-	-	-	-	636	65
OYSTERS, MARKET:						
PUBLIC:						
SPRING	1,420	553	2,138	818	7,708	2,943
FALL	493	271	1,493	636	4,234	1,820
PRIVATE:						
SPRING	5,270	2,052	31	18	5,619	2,194
FALL	1,995	1,093	102	53	2,204	1,191
TOTAL OYSTERS	9,178	3,969	3,764	1,525	19,765	8,148
SCALLOPS:						
BAY	-	-	-	-	80	61
CALICO	-	-	-	-	16	8
TOTAL SCALLOPS	-	-	-	-	96	69
SQUID	2	(1)	7	1	58	9
TERRAPIN	(1)	(1)	-	-	(1)	(1)
TURTLES:						
BABY	(1)	3	-	-	(1)	3
GREEN	2	(1)	-	-	14	3
LOGGERHEAD	-	-	-	-	1	(1)
SNAPPER	22	7	-	-	22	7
TOTAL TURTLES	24	10	-	-	37	13
FROGS	11	8	-	-	11	8
SPONGES:						
GRASS	-	-	-	-	1	2
SHEEPSWOOL	-	-	-	-	31	282
YELLOW	-	-	-	-	5	9
TOTAL SPONGES	-	-	-	-	37	293
TOTAL SHELLFISH, ETC.	106,929	39,178	80,809	45,009	263,404	117,600
GRAND TOTAL	1,003,160	54,426	159,370	47,294	1,614,506	152,320

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--STATISTICS ON THE LANDINGS ARE SHOWN IN ROUND (LIVE) WEIGHT EXCEPT FOR SHELL MOLLUSKS. CLAMS AND OYSTERS ARE REPORTED IN WEIGHT OF TOTAL MEATS; SCALLOPS, IN WEIGHT OF EDIBLE MEATS.

LANDINGS OF CERTAIN SHELLFISH, 1969

U.S. STANDARD BUSHELS

SPECIES	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CLAMS, HARD:						
PUBLIC.	1,274	$6,247	-	-	-	-
SUNRAY VENUS.	62,324	64,522	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	628,817	1,096,516	20,882	$58,969	247,684	$415,536
FALL.	480,499	655,618	51,057	147,622	51,584	108,883
PRIVATE:						
SPRING.	35,360	63,815	11,176	32,582	19,978	26,940
FALL.	23,416	34,053	3,835	11,425	-	-
SCALLOPS:						
BAY	11,489	61,387	-	-	-	-
CALICO.	4,050	7,937	-	-	-	-

SPECIES	LOUISIANA		TEXAS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CLAMS, HARD:						
PUBLIC.	-	-	-	-	1,274	$6,247
SUNRAY VENUS.	-	-	-	-	62,324	64,522
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	267,981	$553,315	367,952	$818,076	1,533,316	2,942,412
FALL.	113,664	270,668	284,981	635,825	981,785	1,818,616
PRIVATE:						
SPRING.	994,415	2,051,863	8,908	17,834	1,069,837	2,193,034
FALL.	459,654	1,092,495	26,667	53,070	513,572	1,191,043
SCALLOPS:						
BAY	-	-	-	-	11,489	61,387
CALICO.	-	-	-	-	4,050	7,937

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN SHELLFISH

(POUNDS OF MEAT PER U.S. STANDARD BUSHEL)

SPECIES	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
CLAMS, HARD:					
PUBLIC.	8.48	-	-	-	-
SUNRAY VENUS.	10.20	-	-	-	-
OYSTERS, MARKET:					
PUBLIC:					
SPRING.	4.65	5.44	4.49	5.30	5.81
FALL.	3.61	5.58	4.42	4.34	5.24
PRIVATE:					
SPRING.	4.72	5.44	4.49	5.30	3.48
FALL.	3.66	5.58	-	4.34	3.81
SCALLOPS:					
BAY	7.00	-	-	-	-
CALICO.	4.00	-	-	-	-

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

PROCESSED FISHERY PRODUCTS, 1969

ITEM		FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FLOUNDER, FROZEN, BREADED RAW:							
FILLETS	POUNDS	(1)	(1)	-	-	-	-
SPECIALTIES (STUFFED)	DO	(1)	(1)	(1)	(1)	-	-
GROUPERS, FRESH AND FROZEN:							
FILLETS	DO	(1)	(1)	(1)	(1)	-	-
STEAKS	DO	(1)	(1)	(1)	(1)	(1)	(1)
HADDOCK FILLETS, BREADED RAW, FROZEN	DO	(1)	(1)	-	-	-	-
HERRING, THREAD, MEAL AND SCRAP	TONS	(1)	(1)	-	-	-	-
KING MACKEREL FILLETS, FROZEN	POUNDS	(1)	(1)	-	-	-	-
MENHADEN:							
MEAL AND SCRAP	TONS	(1)	(1)	-	-	[illegible]	$3,720,851
OIL	1,000 POUNDS	-	-	-	-	[illegible]	1,204,646
SOLUBLES	TONS	-	-	-	-	[illegible]	577,843
MULLET:							
FRESH AND FROZEN, ROE	POUNDS	27,800	$23,043	-	-	-	-
SALTED:							
FISH	DO	185,500	33,000	-	-	-	-
ROE	DO	4,600	4,125	-	-	-	-
SPLIT FOR CURING	DO	(1)	(1)	-	-	-	-
SMOKED	DO	(1)	(1)	-	-	-	-
OCEAN PERCH FILLETS, BREADED RAW	DO	(1)	(1)	-	-	-	-
POMPANO FILLETS, FROZEN	DO	(1)	(1)	-	-	-	-
SEA TROUT STEAKS, FROZEN	DO	(1)	(1)	-	-	-	-
SNAPPER, RED, FRESH AND FROZEN, FILLETS AND STEAKS	DO	(1)	(1)	(1)	(1)	-	-
SPANISH MACKEREL FILLETS, FROZEN	DO	(1)	(1)	-	-	-	-
TRIGGERFISH FILLETS, FRESH	DO	(1)	(1)	-	-	-	-
CRABS:							
BLUE:							
FRESH AND FROZEN:							
COOKED MEAT	DO	1,717,371	3,090,670	324.302	$597.163	252,200	373,800
SPECIALTIES (DEVILED, ROLLS STUFFED, PATTIES, SOFT SHELL, ETC.)	DO	253,977	152,941	(1)	(1)	-	-
CANNED, REGULAR	STANDARD CASES	-	-	-	-	(1)	(1)
BACK SHELLS CLEANED AND POLISHED	-	-	-	-	(1)	-	(1)
MEAL AND SCRAP	TONS	(1)	(1)	-	-	-	-
STONE, CLAWS, COOKED, FROZEN	POUNDS	(1)	(1)	-	-	-	-
LOBSTERS, SPINY, FROZEN TAILS RAW	DO	(1)	(1)	-	-	-	-
SHRIMP:							
FRESH AND FROZEN:							
RAW HEADLESS	DO	4,260 021	4,770.597	9.340 514	11 243 044	5 880.500	6 938 200
PEELED (INCLUDING DEVEINED):							
RAW	DO	13,770,438	26.308.208	(1)	(1)	(1)	(1)
COOKED	DO	(1)	(1)	-	-	-	-
BREADED, RAW AND COOKED	DO	30,751,479	32,692,851	-	-	(1)	(1)
SPECIALTIES (COCKTAILS, CREOLES, PATTIES, STUFFED, GUMBO, ETC.)	DO	(1)	(1)	(1)	(1)	-	-
CANNED, REGULAR	STANDARD CASES	-	-	-	-	300,786	3,546,663
MEAL AND SCRAP	TONS	(1)	(1)	-	-	-	-
CLAMS, HARD:							
SHUCKED, FRESH	GALLONS	(1)	(1)	-	-	-	-
BREADED RAW, FROZEN	POUNDS	(1)	(1)	-	-	-	-
CONCH CHOWDER, CANNED	STANDARD CASES	(1)	(1)	-	-	-	-
OYSTERS:							
FRESH AND FROZEN:							
SHUCKED	GALLONS	411,565	2,982,913	207,729	1,681,638	130,400	1,106,750
BREADED, RAW	POUNDS	1,448,838	1,329,657	-	-	-	-
SPECIALTIES (STEWS)	DO	(1)	(1)	-	-	-	-
CANNED:							
REGULAR	STANDARD CASES	-	-	-	-	(1)	(1)
SPECIALTIES (SOUP AND STEWS)	DO	(1)	(1)	-	-	-	-
SHELL, GRIT AND LIME	TONS	-	-	(1)	(1)	-	-
SCALLOPS:							
BAY, FRESH AND FROZEN:							
SHUCKED	GALLONS	10,163	114,321	-	-	-	-
BREADED RAW	POUNDS	(1)	(1)	-	-	-	-
SEA, BREADED RAW, FROZEN	DO	297,732	295,424	-	-	-	-
TURTLE, CANNED (SOUP AND CHOWDER)	STANDARD CASES	(1)	(1)	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
UNCLASSIFIED:							
FRESH AND FROZEN PACKAGED, FILLETS, STEAKS, STICKS, PORTIONS, AND OTHER FISH AND SHELLFISH	POUNDS	16,802,564	$17,676,405	2 979,548	$4,094,490	249.000	$369,700
CANNED:							
ANIMAL FOOD	STANDARD CASES	-	-	-	-	1 909,717	7 206 047
OTHER	DO	(1)	(1)	-	-	24,351	311.060
CURED	POUNDS	(1)	(1)	-	-	-	-
INDUSTRIAL	-	-	124,640	-	(1)	-	(1)
TOTAL	-	-	89,598,795	-	17,616,335	-	25.355.560

ITEM		LOUISIANA		TEXAS	
		QUANTITY	VALUE	QUANTITY	VALUE
CATFISH DRESSED, SKINS OFF, FROZEN	POUNDS	(1)	(1)	-	-
FLOUNDER SPECIALTIES, FROZEN (STUFFED, BREADED RAW)	DO	(1)	(1)	(1)	(1)
MENHADEN:					
MEAL AND SCRAP	TONS	96,983	$16,166,669	(2)	(2)
OIL	1,000 POUNDS	99,358	5,433,680	(2)	(2)
SOLUBLES	TONS	34,732	1,729,877	(2)	(2)
SNAPPER, RED, SPECIALTIES (STUFFED, BREADED RAW)	POUNDS	(1)	(1)	-	-
TUNA, SPECIALTIES (FREEZE-DRIED, SALAD MIX)	DO	-	-	(1)	(1)
CRABS:					
BLUE:					
FRESH AND FROZEN:					
COOKED MEAT	DO	703,873	1,256,838	550,875	$839,054
SPECIALTIES (DEVILED, ROLLS, STUFFED, PATTIES, SOFT SHELL, ETC.)	DO	383,982	296,722	(1)	(1)
CANNED SPECIALTIES (BISQUE, GUMBO)	STANDARD CASES	(1)	(1)	-	-
KING, SPECIALTIES (FREEZE-DRIED, SALAD MIX)	POUNDS	-	-	(1)	(1)
CRAWFISH:					
FRESH, COOKED MEAT	DO	9,200	15,050	-	-
SPECIALTIES:					
FROZEN (BISQUE, ETC.)	DO	12,414	10,831	-	-
CANNED (BISQUE)	STANDARD CASES	(1)	(1)	-	-
SHRIMP:					
FRESH AND FROZEN:					
RAW HEADLESS	POUNDS	32,753,851	35 836 373	28,217 838	29 243 383
PEELED (INCLUDING DEVEINED):					
RAW	DO	1,011,044	776,581	9,606,326	15,175 705
COOKED	DO	2,699,514	5,510,664	(1)	(1)
BREADED, RAW AND COOKED	DO	1,692,172	1,351,242	26,915,644	25,410,129
SPECIALTIES (COCKTAILS, CREOLES, PATTIES, STUFFED, GUMBO, ETC.)	DO	592,185	527,318	(1)	(1)
CANNED:					
REGULAR	STANDARD CASES	1,728,068	17,351,461	(2)	(2)
SPECIALTIES (GUMBO, STEW, BISQUE, ETC.)	DO	7,762	116,011	-	-
FREEZE-DRIED (MEAT AND SALAD MIX)	POUNDS	-	-	(1)	(1)
SUN-DRIED	DO	650,311	1,135,121	-	-
MEAL AND SCRAP	TONS	(1)	(1)	-	-
OYSTERS:					
FRESH AND FROZEN:					
SHUCKED	GALLONS	570,587	5,093,048	225,033	1,829,090
BREADED, RAW	POUNDS	(1)	(1)	(1)	(1)
SPECIALTIES (STEWS, ETC.)	DO	(1)	(1)	-	-
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
SPECIALTIES (SOUP AND STEWS)	DO	(1)	(1)	-	-
SHELL, GRIT AND LIME	TONS	-	-	(1)	(1)
TURTLE, CANNED (SOUP AND CHOWDER)	STANDARD CASES	(1)	(1)	-	-
UNCLASSIFIED:					
FRESH AND FROZEN, PACKAGED, FILLETS, STEAKS, STICKS, PORTIONS AND OTHER FISH AND SHELLFISH	POUNDS	152,257	140,052	3,352,532	6.345.894

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		LOUISIANA		TEXAS	
UNCLASSIFIED - CONTINUED:		QUANTITY	VALUE	QUANTITY	VALUE
CANNED:					
ANIMAL FOOD	STANDARD CASES	(3)	(3)	-	-
OTHER	DO	578,758	$5,448,052	-	-
CURED	POUNDS	-	-	(1)	(1)
INDUSTRIAL	-	-	(1)	-	(1)
TOTAL	-	-	95,837,818	-	$81,201,027

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH. 2/ THE PRODUCTION OF MENHADEN PRODUCTS AND CANNED SHRIMP PRODUCED IN TEXAS HAS BEEN INCLUDED WITH LOUISIANA 3/ THE PRODUCTION OF ANIMAL FOOD PRODUCED IN LOUISIANA HAS BEEN INCLUDED WITH OTHER CANNED.

NOTE:--THIS TABLE WILL NOT ADD. INDIVIDUAL STATE TOTALS ARE CORRECT. SOME OF THE PRODUCTS MAY HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	20,357
FROZEN	220,639
CANNED	34,075
CURED	3,204
INDUSTRIAL	31,335
TOTAL	309,610

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
FLORIDA, WEST COAST	89,599
ALABAMA	17,616
MISSISSIPPI	25,356
LOUISIANA	95,838
TEXAS	81,201
TOTAL	309,610

WHOLESALING AND PROCESSING, 1969

ITEM	FLORIDA, WEST COAST	ALABAMA	MISSIS-SIPPI	LOUISIANA	TEXAS	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:						
ESTABLISMENTS	316	67	63	223	156	825
PERSONS ENGAGED:						
AVERAGE FOR SEASON	4,693	1,673	1,573	5,119	5,439	18,497
AVERAGE FOR YEAR	3,809	1,009	965	3,439	3,499	12,721

GULF FISHERIES

FLORIDA, WEST COAST

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES			OTTER TRAWLS	
		HERRING	MENHADEN	OTHER	SCALLOP	SHRIMP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	101	58	7	6	5	2,350
ON BOATS AND SHORE:						
REGULAR	247	-	-	12	-	88
CASUAL	7	-	-	-	-	30
TOTAL	355	58	7	18	5	2,468
VESSELS, MOTOR	16	4	1	1	2	932
GROSS TONNAGE	225	1,382	123	48	53	54,287
BOATS:						
MOTOR	98	7	1	7	-	76
OTHER	28	-	-	-	-	-
GEAR:						
NUMBER	81	4	1	7	2	1,850
LENGTH, YARDS	58,450	1,811	300	1,850	-	-
YARDS AT MOUTH	-	-	-	-	18	30,796

ITEM	POTS AND TRAPS					GILL NETS
	CRAB		EEL	FISH	LOBSTER, SPINY	ANCHOR, SET OR STAKE
	BLUE	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	2	28	-	1	184	-
ON BOATS AND SHORE:						
REGULAR	196	97	1	28	255	7
CASUAL	48	18	-	-	20	2
TOTAL	246	143	1	29	459	9
VESSELS, MOTOR	1	14	-	1	92	-
GROSS TONNAGE	9	261	-	8	2,185	-
BOATS, MOTOR	221	93	1	28	176	5
GEAR:						
NUMBER	28,921	35,975	40	634	96,955	5
SQUARE YARDS	-	-	-	-	-	2,800

ITEM	GILL NETS - CONTINUED		TRAMMEL NETS	LINES		
	DRIFT	RUNAROUND		HAND	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	6	225	33	975	44	-
ON BOATS AND SHORE:						
REGULAR	2	937	449	312	128	4
CASUAL	-	110	51	766	357	8
TOTAL	8	1,272	533	2,053	529	12
VESSELS, MOTOR	3	60	11	242	19	-
GROSS TONNAGE	31	1,018	127	6,490	438	-
BOATS, MOTOR	2	893	292	774	366	12
GEAR:						
NUMBER	5	953	303	2,176	796	32
SQUARE YARDS	10,100	1,374,860	381,846	-	-	-
HOOKS OR BAITS	-	-	-	8,705	796	4,950

ITEM	DIP NETS		CAST NETS	SPEARS	DREDGES	
	COMMON	DROP			CLAM	SCALLOP, BAY
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	-	-	-	3	10
ON BOATS AND SHORE:						
REGULAR	2	-	-	37	-	81
CASUAL	1	5	14	22	-	8
TOTAL	3	5	14	59	3	99
VESSELS, MOTOR	-	-	-	-	1	5
GROSS TONNAGE	-	-	-	-	25	69
BOATS, MOTOR	3	5	14	59	-	62
GEAR:						
NUMBER	3	20	14	59	1	142
YARDS AT MOUTH	-	-	-	-	1	142

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	DREDGES - CONTINUED	TONGS		HOOKS	DIVING OUTFITS	BY HAND		TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER	OYSTER	OTHER			OYSTER	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS.	-	16	-	-	71	-	-	3,811
ON BOATS AND SHORE:								
REGULAR	2	640	1	14	-	17	13	2,283
CASUAL.	-	36	-	35	-	8	2	1,129
TOTAL	2	692	1	49	71	25	15	7,223
VESSELS, MOTOR.	-	8	-	-	11	-	-	1,299
GROSS TONNAGE	-	108	-	-	163	-	-	64,268
BOATS:								
MOTOR	1	546	1	49	-	25	14	2,685
OTHER	-	-	-	-	-	-	-	28
GEAR:								
NUMBER.	2	692	1	49	11	-	-	-
YARDS AT MOUTH.	2	-	-	-	-	-	-	-

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES			
			HERRING		MENHADEN	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	166,100	$6,643	-	-	-	-
ANGELFISH	4,800	237	-	-	-	-
BALLYHOO.	5,200	519	-	-	-	-
BLUEFISH.	317,900	29,745	-	-	-	-
BLUE RUNNER	1,374,000	51,632	-	-	-	-
BONITO.	5,400	267	-	-	-	-
CABIO	200	20	-	-	-	-
CIGARFISH	304,900	35,601	-	-	-	-
CREVALLE.	353,300	18,201	-	-	-	-
CROAKER	14,200	2,278	-	-	-	-
DRUM:						
BLACK	13,200	931	-	-	-	-
RED	117,800	18,674	-	-	-	-
FLOUNDERS	14,900	2,749	-	-	-	-
GRUNTS.	5,500	534	-	-	-	-
HERRING, THREAD	73,700	2,250	5,303,700	$52,674	-	-
KING WHITING OR "KINGFISH".	25,700	3,433	-	-	-	-
MACKEREL:						
KING.	63,200	10,326	-	-	-	-
SPANISH	882,200	89,474	-	-	-	-
MENHADEN.	115,500	4,109	-	-	79,700	$2,582
MOJARRA	100,500	11,035	-	-	-	-
MULLET:						
BLACK (LISA).	5,031,000	436,818	-	-	-	-
SILVER.	60,500	5,116	-	-	-	-
PERMIT.	500	70	-	-	-	-
PIGFISH	1,700	113	-	-	-	-
POMPANO	12,500	11,069	-	-	-	-
SEA CATFISH	11,300	688	-	-	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	226,800	69,624	-	-	-	-
WHITE	11,100	1,339	-	-	-	-
SHEEPSHEAD, SALT-WATER. . .	76,900	7,613	-	-	-	-
SNAPPER, MANGROVE	15,100	2,739	-	-	-	-
SPANISH SARDINES.	359,700	13,750	-	-	-	-
SPOT.	31,300	3,113	-	-	-	-
TENPOUNDER.	1,092,300	32,527	-	-	-	-
TRIPLETAIL.	100	3	-	-	-	-
UNCLASSIFIED:						
FOR FOOD.	210,000	20,673	-	-	-	-
FOR BAIT, REDUCTION AND ANIMAL FOOD.	164,200	3,876	-	-	-	-
CRABS, BLUE, HARD	7,300	648	-	-	-	-
TOTAL	11,270,500	898,437	5,303,700	52,674	79,700	2,582

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	PURSE SEINES - CONTINUED		OTTER TRAWLS			
	OTHER		SCALLOP		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BALLYHOO	230,800	$42,673	-	-	-	-
CABIO	-	-	-	-	3,900	$270
CREVALLE	108,900	3,934	-	-	-	-
CROAKER	-	-	-	-	134,200	10,686
FLOUNDERS	-	-	-	-	108,000	21,695
GROUPERS	-	-	-	-	4,000	743
HERRING, THREAD	213,000	6,390	-	-	-	-
JEWFISH	-	-	-	-	900	58
KING WHITING OR "KINGFISH"	-	-	-	-	227,600	12,934
MACKEREL, KING	116,400	14,143	-	-	-	-
PIGFISH	-	-	-	-	11,300	714
SEA CATFISH	-	-	-	-	8,700	515
SEA TROUT OR WEAKFISH, WHITE	-	-	-	-	28,500	1,822
SHARKS, UNCLASSIFIED	500	33	-	-	800	42
SHEEPSHEAD, SALT-WATER	-	-	-	-	4,400	294
SNAPPER, RED	-	-	-	-	300	163
SPANISH SARDINES	100	3	-	-	-	-
SPOT	-	-	-	-	42,600	2,584
STURGEON, COMMON	-	-	-	-	100	6
TRIPLETAIL	-	-	-	-	100	3
UNCLASSIFIED, FOR FOOD	-	-	-	-	37,100	2,417
CRABS, BLUE:						
HARD	-	-	-	-	242,800	19,961
SOFT AND PEELER	-	-	-	-	200	36
LOBSTER, SPINY	-	-	-	-	95,400	60,391
SHRIMP, SALT-WATER	-	-	-	-	22,964,200	12,021,187
SCALLOPS, CALICO	-	-	15,400	$7,545	-	-
SQUID	-	-	-	-	42,100	6,664
TURTLES, LOGGERHEAD	-	-	-	-	700	37
TOTAL	669,700	67,176	15,400	7,545	23,957,900	12,163,222

SPECIES	POTS AND TRAPS					
	CRAB				EEL	
	BLUE		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EELS, COMMON	-	-	-	-	5,600	$395
CRABS:						
BLUE:						
HARD	11,330,700	$1,053,122	2,000	$179	-	-
SOFT AND PEELER	200	100	-	-	-	-
STONE	-	-	1,225,000	677,237	-	-
TOTAL	11,330,900	1,053,222	1,227,000	677,416	5,600	395

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS	
	FISH		LOBSTER, SPINY		ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GROUPERS	-	-	30,900	$6,148	-	-
SEA BASS	218,700	$27,125	-	-	-	-
STURGEON, COMMON	-	-	-	-	1,600	$267
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	100	4
CRABS:						
BLUE, HARD	-	-	1,000	206	-	-
STONE	-	-	32,600	18,869	-	-
LOBSTER, SPINY	-	-	4,534,800	3,248,253	-	-
TURTLES, GREEN	-	-	-	-	6,900	1,626
TOTAL	218,700	27,125	4,599,300	3,273,476	8,600	1,897

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	GILL NETS - CONTINUED				TRAMMEL NETS	
	DRIFT		RUNAROUND			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	53,300	$2,133	4,700	$188
ANGELFISH	-	-	1,200	42	-	-
BLUEFISH	-	-	156,100	15,924	34,200	3,475
BLUE RUNNER	-	-	176,800	6,446	23,500	864
CABIO	-	-	11,800	840	-	-
CREVALLE	-	-	195,900	7,636	27,500	1,250
CROAKER	-	-	33,400	4,098	36,700	3,280
DRUM:						
BLACK	-	-	27,700	1,973	8,800	642
RED	-	-	344,300	55,621	59,400	9,827
FLOUNDERS	-	-	61,600	15,480	28,300	8,144
GRUNTS	-	-	2,300	224	-	-
KING WHITING OR "KINGFISH"	-	-	49,000	4,276	15,700	1,079
MACKEREL:						
KING	44,700	$5,799	2,389,400	301,732	600	72
SPANISH	113,400	13,494	6,903,500	811,539	96,100	10,502
MENHADEN	-	-	183,200	6,234	3,900	117
MOJARRA	-	-	98,700	10,647	100	10
MULLET:						
BLACK (LISA)	-	-	17,870,100	1,525,550	2,570,500	227,206
SILVER	-	-	674,200	54,477	20,900	1,632
PERMIT	-	-	6,100	721	-	-
PIGFISH	-	-	16,700	1,459	6,800	476
POMPANO	12,300	11,845	126,800	122,889	497,800	479,955
SEA CATFISH	-	-	36,400	2,262	16,500	999
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	1,540,100	469,143	362,200	110,528
WHITE	-	-	40,500	5,462	21,800	2,119
SHARKS, UNCLASSIFIED	-	-	2,100	142	-	-
SHEEPSHEAD, SALT-WATER	-	-	117,500	12,205	13,500	1,238
SNAPPER, MANGROVE	-	-	75,000	13,416	17,200	3,050
SPOT	-	-	172,800	17,045	44,600	3,005
STURGEON, COMMON	10,400	1,139	-	-	-	-
TENPOUNDER	-	-	90,400	2,549	8,100	245
UNCLASSIFIED:						
FOR FOOD	-	-	802,500	78,257	78,400	7,597
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	169,600	7,004	9,400	351
TURTLES, GREEN	-	-	5,200	1,330	-	-
TOTAL	180,800	32,277	32,434,200	3,558,765	4,007,200	877,851

SPECIES	LINES					
	HAND		TROLL		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	80,300	$4,482	-	-	-	-
ANGELFISH	1,600	75	-	-	-	-
BARRACUDA	500	21	-	-	-	-
BLUEFISH	16,200	1,607	4,300	$469	-	-
BLUE RUNNER	28,200	1,468	-	-	-	-
BONITO	800	40	1,700	84	-	-
CABIO	26,300	1,872	3,200	282	-	-
CATFISH AND BULLHEADS	400	93	-	-	11,500	$2,720
CREVALLE	21,700	894	3,900	144	-	-
CROAKER	191,400	25,507	-	-	-	-
DOLPHIN	-	-	48,700	5,577	-	-
DRUM:						
BLACK	13,000	978	-	-	-	-
RED	60,400	9,753	4,300	701	-	-
FLOUNDERS	7,100	1,318	-	-	-	-
GROUPERS	7,036,600	1,360,406	-	-	-	-
GRUNTS	301,700	39,144	-	-	-	-
HOGFISH	18,100	3,569	-	-	-	-
JEWFISH	101,000	7,097	-	-	-	-
KING WHITING OR "KINGFISH"	6,800	806	3,000	249	-	-
MACKEREL:						
KING	88,300	11,693	539,500	71,568	-	-
SPANISH	108,100	12,672	71,300	8,143	-	-
MOJARRA	13,900	1,651	-	-	-	-
PERMIT	3,100	345	-	-	-	-
PIGFISH	1,900	165	-	-	-	-
POMPANO	1,700	1,573	-	-	-	-
SCUP OR PORGY	67,700	8,686	-	-	-	-
SEA BASS	86,600	11,449	-	-	-	-
SEA CATFISH	1,600	100	-	-	18,800	1,219

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	LINES					
	HAND		TROLL		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SEA TROUT OR WEAKFISH:						
SPOTTED	263,300	$80,909	26,300	$8,124	-	-
WHITE	3,700	533	1,400	180	-	-
SHARKS, UNCLASSIFIED	6,400	387	-	-	-	-
SHEEPSHEAD, SALT-WATER	81,800	7,948	-	-	-	-
SNAPPERS:						
LANE	11,600	2,321	-	-	-	-
MANGROVE	373,100	104,082	-	-	-	-
MUTTON	135,400	45,273	-	-	-	-
RED	4,278,800	2,278,829	-	-	-	-
VERMILION	108,200	41,680	-	-	-	-
YELLOWTAIL	807,800	320,458	-	-	-	-
SPOT	5,300	606	-	-	-	-
TENPOUNDER	2,500	71	-	-	-	-
TILEFISH	1,500	175	-	-	-	-
TRIGGERFISH	22,300	1,655	-	-	-	-
WARSAW	154,600	20,194	-	-	-	-
UNCLASSIFIED:						
FOR FOOD	183,000	12,498	-	-	-	-
FOR BAIT, REDUCTION AND ANIMAL FOOD	900	34	-	-	-	-
TOTAL	14,725,200	4,425,117	707,600	95,521	30,300	$3,939

SPECIES	DIP NETS				CAST NETS	
	COMMON		DROP			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MOJARRA	-	-	-	-	200	$25
MULLET, BLACK (LISA)	-	-	-	-	4,200	365
SHEEPSHEAD, SALT-WATER	-	-	-	-	200	20
SPOT	-	-	-	-	500	66
LOBSTER, SPINY	4,200	$3,008	18,200	$13,037	-	-
TOTAL	4,200	3,008	18,200	13,037	5,100	476

SPECIES	SPEARS		DREDGES			
			CLAM		SCALLOP, BAY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS	48,800	$13,690	-	-	-	-
CLAMS, SUNRAY VENUS	-	-	635,700	$64,522	-	-
SCALLOPS, BAY	-	-	-	-	72,000	$52,862
TOTAL	48,800	13,690	635,700	64,522	72,000	52,862

SPECIES	DREDGES - CONTINUED		TONGS			
	OTHER		OYSTER		OTHER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	-	-	10,400	$6,055
OYSTERS, MARKET:						
PUBLIC:						
SPRING	-	-	2,905,200	$1,089,744	-	-
FALL	-	-	1,728,500	653,421	-	-
PRIVATE:						
SPRING	-	-	166,900	63,815	-	-
FALL	-	-	85,800	34,053	-	-
SCALLOPS, CALICO	800	$392	-	-	-	-
TOTAL	800	392	4,886,400	1,841,033	19,400	6,055

SPECIES	HOOKS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE
SPONGES:				
GRASS	1,100	$2,211	-	-
SHEEPSWOOL	8,000	47,496	23,400	$234,041
YELLOW	5,100	8,779	-	-
TOTAL	14,200	58,486	23,400	234,041

(CONTINUED ON NEXT PAGE)

FLORIDA, WEST COAST - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	BY HAND			
	OYSTER		OTHER	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, HARD, PUBLIC	-	-	400	$192
OYSTERS, MARKET:				
PUBLIC:				
SPRING.	16,800	$6,772	-	-
FALL.	8,100	2,197	-	-
SCALLOPS, BAY	-	-	8,500	8,525
TOTAL	24,900	8,969	8,900	8,717

ALABAMA

OPERATING UNITS BY GEAR, 1969

ITEM	OTTER TRAWLS, SHRIMP	FYKE AND HOOP NETS, FISH	POTS AND TRAPS		GILL NETS, RUNAROUND	TRAMMEL NETS
			CRAB	FISH		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	1,283	-	-	-	-	-
ON BOATS AND SHORE:						
REGULAR	188	3	85	2	14	117
CASUAL.	68	1	-	1	4	-
TOTAL	1,539	4	85	3	18	117
VESSELS, MOTOR.	506	-	-	-	-	-
GROSS TONNAGE	27,487	-	-	-	-	-
BOATS:						
MOTOR	129	4	77	3	14	65
OTHER	-	-	-	-	7	52
GEAR:						
NUMBER.	1,000	120	13,490	90	18	117
SQUARE YARDS.	-	-	-	-	10,800	115,550
YARDS AT MOUTH.	16,949	-	-	-	-	-

ITEM	LINES, HAND	SPEARS	DREDGES OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	108	-	13	-	1,403
ON BOATS AND SHORE:					
REGULAR	7	18	-	461	616
CASUAL.	30	29	-	178	271
TOTAL	145	47	13	639	2,290
VESSELS, MOTOR.	12	-	3	-	520
GROSS TONNAGE	702	-	59	-	28,233
BOATS:					
MOTOR	37	47	-	316	570
OTHER	-	-	-	38	93
GEAR:					
NUMBER.	133	47	6	639	-
YARDS AT MOUTH.	-	-	9	-	-
HOOKS OR BAITS.	746	-	-	-	-

ALABAMA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	OTTER TRAWLS, SHRIMP		FYKE AND HOOP NETS, FISH		POTS AND TRAPS	
					CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	11,100	$699	-	-	-	-
BUFFALOFISH	-	-	6,700	$726	-	-
CABIO	9,000	574	-	-	-	-
CROAKER	3,658,000	453,366	-	-	-	-
DRUM:						
BLACK	33,800	2,033	-	-	-	-
RED	43,600	5,484	-	-	-	-
FLOUNDERS	515,100	79,718	-	-	-	-
GROUPERS	10,600	1,177	-	-	-	-
JEWFISH	3,500	291	-	-	-	-
KING WHITING OR "KINGFISH"	660,500	32,735	-	-	-	-
MACKEREL, SPANISH	29,500	1,889	-	-	-	-
MULLET, BLACK (LISA)	8,900	468	-	-	-	-
PADDLEFISH	-	-	3,700	516	-	-
POMPANO	3,200	1,426	-	-	-	-
SEA CATFISH	105,600	5,676	-	-	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	300	58	-	-	-	-
WHITE	811,200	41,053	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	-	-	6,300	964	-	-
SALT-WATER	139,500	7,861	-	-	-	-
SNAPPER, RED	214,000	43,476	-	-	-	-
SPOT	20,400	1,055	-	-	-	-
CRABS, BLUE, HARD	103,300	11,318	-	-	1,816,700	$212,281
SHRIMP	14,976,400	8,788,096	-	-	-	-
SQUID	6,700	541	-	-	-	-
TOTAL	21,364,200	9,478,994	16,700	2,206	1,816,700	212,281

SPECIES	POTS AND TRAPS - CONTINUED		GILL NETS, RUNAROUND		TRAMMEL NETS	
	FISH					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	19,500	$1,425	700	$52
BLUE RUNNER	-	-	400	21	-	-
CATFISH AND BULLHEADS	32,100	$9,952	-	-	-	-
CROAKER	-	-	13,100	2,558	16,000	1,617
DRUM:						
BLACK	-	-	1,500	97	7,200	457
RED	-	-	400	63	7,200	1,092
FLOUNDERS	-	-	100	12	2,100	609
KING WHITING OR "KINGFISH"	-	-	100	11	100	7
MACKEREL, SPANISH	-	-	54,600	4,359	1,000	89
MULLET, BLACK (LISA)	-	-	5,500	348	3,179,000	175,319
POMPANO	-	-	400	179	100	50
SEA CATFISH	-	-	3,800	196	11,700	604
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	16,100	4,346	81,600	24,005
WHITE	-	-	1,200	63	3,600	185
SHEEPSHEAD, SALT-WATER	-	-	900	55	14,100	945
SPOT	-	-	-	-	22,600	1,666
TOTAL	32,100	9,952	117,600	13,733	3,347,000	206,697

	LINES, HAND		SPEARS	
	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	300	$28	-	-
CROAKER	200	14	-	-
DRUM, RED	100	6	-	-
FLOUNDERS	-	-	22,500	$6,800
GROUPER	238,200	29,078	-	-
JEWFISH	46,400	4,955	-	-
MACKEREL, SPANISH	100	11	-	-
POMPANO	100	75	-	-
SEA TROUT OR WEAKFISH, SPOTTED	400	130	-	-
SNAPPER, RED	1,031,900	332,050	-	-
TOTAL	1,317,700	366,347	22,500	6,800

	DREDGES, OYSTER, COMMON		TONGS, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:				
PUBLIC:				
SPRING	-	-	113,600	$58,969
FALL	-	-	284,900	147,622
PRIVATE:				
SPRING	27,300	$14,101	33,500	18,481
FALL	-	-	21,400	11,425
TOTAL	27,300	14,101	453,400	236,497

GULF FISHERIES

MISSISSIPPI

OPERATING UNITS BY GEAR, 1969

ITEM	PURSE SEINES, MENHADEN	OTTER TRAWLS		POTS AND TRAPS, CRAB
		FISH	SHRIMP	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	256	108	1,166	-
ON BOATS AND SHORE:				
REGULAR	-	-	150	35
CASUAL	-	-	535	36
TOTAL	256	108	1,851	71
VESSELS, MOTOR	15	40	464	-
GROSS TONNAGE	4,887	2,668	21,874	-
BOATS, MOTOR	30	-	615	54
GEAR:				
NUMBER	15	60	1,374	4,250
LENGTH, YARDS	7,500	-	-	-
YARDS AT MOUTH	-	1,231	18,628	-

ITEM	GILL NETS, RUNAROUND	TRAMMEL NETS	LINES	
			HAND	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	4	21	190	4
ON BOATS AND SHORE:				
REGULAR	6	23	-	-
CASUAL	-	16	-	-
TOTAL	10	60	190	4
VESSELS, MOTOR	1	[illegible]	20	1
GROSS TONNAGE	35	85	1,333	31
BOATS:				
MOTOR	6	45	-	-
OTHER	-	6	-	-
GEAR:				
NUMBER	5	36	170	1
SQUARE YARDS	6,300	20,150	-	-
HOOKS OR BAITS	-	-	2,210	750

ITEM	LINES - CONTINUED	DREDGES, OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	TROTS WITH BAITS			
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	-	264	-	1,832
ON BOATS AND SHORE:				
REGULAR	4	50	265	405
CASUAL	-	10	215	663
TOTAL	4	324	480	2,900
VESSELS, MOTOR	-	81	-	551
GROSS TONNAGE	-	1,913	-	30,370
BOATS:				
MOTOR	4	23	485	1,199
OTHER	-	-	6	12
GEAR:				
NUMBER	4	208	475	-
YARDS AT MOUTH	-	243	-	-
HOOKS OR BAITS	2,400	-	-	-

MISSISSIPPI - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES, MENHADEN		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	-	-	1,300	$104
CROAKER	-	-	6,000	$455	544,600	61,225
DRUM:						
BLACK	-	-	4,700	235	14,100	755
RED	-	-	4,800	440	11,300	1,041
FLOUNDERS	-	-	5,100	743	118,300	15,431
GROUPERS	-	-	-	-	2,800	270
KING WHITING OR "KINGFISH"	-	-	28,000	2,002	225,700	13,294
MACKEREL, SPANISH	-	-	-	-	2,900	276
MENHADEN	225,377,300	$3,305,760	-	-	-	-
SEA CATFISH	-	-	25,500	1,275	19,000	950
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	-	-	500	125
WHITE	-	-	10,700	607	120,200	7,483
SHEEPSHEAD, SALT-WATER	-	-	6,900	414	30,100	1,834
SNAPPER, RED	-	-	5,000	520	25,200	2,860
SPOT	-	-	700	40	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION AND ANIMAL FOOD	-	-	64,014,700	1,259,300	-	-
SHRIMP, SALT-WATER	-	-	-	-	8,906,300	4,010,527
TOTAL	225,377,300	3,305,760	64,112,100	1,266,031	10,022,300	4,116,175

SPECIES	POTS AND TRAPS, CRAB		GILL NETS, RUNAROUND		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	21,800	$2,180	2,700	$270
BLUE RUNNER	-	-	4,000	320	-	-
CROAKER	-	-	-	-	700	70
DRUM:						
BLACK	-	-	-	-	95,300	5,588
RED	-	-	-	-	83,500	11,678
MACKEREL, SPANISH	-	-	8,000	800	1,100	110
MULLET, BLACK (LISA)	-	-	-	-	387,900	19,469
SEA CATFISH	-	-	-	-	500	25
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	-	-	220,300	54,470
WHITE	-	-	-	-	700	42
SHEEPSHEAD, SALT-WATER	-	-	-	-	127,900	10,606
SPOT	-	-	-	-	500	30
CRABS, BLUE:						
HARD	1,713,100	$174,808	-	-	-	-
SOFT AND PEELER	200	35	-	-	-	-
TOTAL	1,713,300	174,843	33,800	3,300	921,100	102,358

SPECIES	LINES					
	HAND		LONG OR SET WITH HOOKS		TROT WITH BAITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABIO	600	$48	-	-	-	-
CROAKER	95,400	17,480	-	-	-	-
GROUPERS	263,700	31,752	-	-	-	-
SNAPPER, RED	2,937,700	955,240	-	-	-	-
SWORDFISH	-	-	1,600	$1,446	-	-
CRABS, BLUE, HARD	-	-	-	-	27,200	$2,228
TOTAL	3,297,400	1,004,520	1,600	1,446	27,200	2,228

SPECIES	DREDGES, OYSTER, COMMON		TONGS, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:				
PUBLIC:				
SPRING	658,400	$235,194	453,700	$180,342
FALL	92,800	42,900	135,200	65,983
PRIVATE, SPRING	89,700	26,940	-	-
TOTAL	840,900	305,034	588,900	246,325

GULF FISHERIES

LOUISIANA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	BUTTERFLY NETS	OTTER TRAWLS	
				FISH	SHRIMP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	990	34	40	3,987
ON BOATS AND SHORE:					
REGULAR	35	-	665	-	2,914
CASUAL.	15	-	35	-	1,305
TOTAL	50	990	734	40	8,206
VESSELS, MOTOR.	-	60	17	16	1,502
GROSS TONNAGE	-	22,550	310	1,043	81,511
BOATS:					
MOTOR	22	117	379	-	3,452
OTHER	1	-	-	-	-
GEAR:					
NUMBER.	22	60	807	23	6,122
LENGTH, YARDS	4,180	32,634	-	-	-
YARDS AT MOUTH.	-	-	3,150	506	94,924

ITEM	FYKE AND HOOP NETS, FISH	POTS AND TRAPS			GILL NETS, ANCHOR, SET OR STAKE
		CRAB	CRAWFISH	FISH	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	-	3
ON BOATS AND SHORE:					
REGULAR	231	489	123	112	135
CASUAL.	153	105	99	17	185
TOTAL	384	594	222	129	323
VESSELS, MOTOR.	-	-	-	-	1
GROSS TONNAGE	-	-	-	-	18
BOATS, MOTOR.	384	480	222	129	297
GEAR:					
NUMBER.	18,730	67,920	19,810	2,076	397
SQUARE YARDS.	-	-	-	-	111,597

ITEM	TRAMMEL NETS	LINES			DIP NETS	
		HAND	LONG OR SET WITH HOOKS	TROT WITH BAITS	COMMON	DROP
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	3	15	-	-	-	-
ON BOATS AND SHORE:						
REGULAR	180	17	560	412	6	78
CASUAL.	44	50	535	159	7	55
TOTAL	227	82	1,095	571	13	133
VESSELS, MOTOR.	1	5	-	-	-	-
GROSS TONNAGE	19	332	-	-	-	-
BOATS:						
MOTOR	116	67	1,095	571	6	129
OTHER	33	-	-	-	7	4
GEAR:						
NUMBER.	116	86	1,547	571	13	8,840
SQUARE YARDS.	46,705	-	-	-	-	-
HOOKS OR BAITS.	-	144	581,340	375,530	-	-

ITEM	DREDGES, OYSTER, COMMON	TONGS, OYSTER	BRUSH TRAPS	GRABS, FROG	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	638	-	-	-	-	5,538
ON BOATS AND SHORE:						
REGULAR	308	162	86	46	22	3,421
CASUAL.	50	20	-	24	-	1,970
TOTAL	996	182	86	70	22	10,929
VESSELS, MOTOR.	233	-	-	-	-	1,766
GROSS TONNAGE	4,569	-	-	-	-	107,224
BOATS:						
MOTOR	184	122	86	70	20	4,829
OTHER	-	8	-	-	-	52
GEAR:						
NUMBER.	761	182	38,300	70	-	-
YARDS AT MOUTH.	859	-	-	-	-	-

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, MENHADEN		BUTTERFLY NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	52,900	$6,961	-	-	-	-
CATFISH AND BULLHEADS	10,400	2,933	-	-	-	-
DRUM:						
BLACK	47,200	3,146	-	-	-	-
RED	59,600	8,644	-	-	-	-
FLOUNDERS	100	13	-	-	-	-
GARFISH	9,900	764	-	-	-	-
MACKEREL, SPANISH	7,700	653	-	-	-	-
MENHADEN	-	-	856,250,600	$12,764,098	-	-
MULLET, BLACK (LISA)	4,200	129	-	-	-	-
SAWFISH	300	19	-	-	-	-
SEA CATFISH	9,000	849	-	-	-	-
SEA TROUT OR WEAKFISH, SPOTTED	40,300	12,016	-	-	-	-
SHARKS	200	8	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	18,100	1,759	-	-	-	-
SALT-WATER	8,900	562	-	-	-	-
SPOT	600	33	-	-	-	-
TRIPLETAIL	100	14	-	-	-	-
SHRIMP, SALT-WATER	-	-	-	-	1,379,800	$524,135
TOTAL	269,500	38,503	856,250,600	12,764,098	1,379,800	524,135

SPECIES	OTTER TRAWLS				FYKE AND HOOP NETS, FISH	
	FISH		SHRIMP			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUEFISH	-	-	100	$8	-	-
BOWFIN	-	-	-	-	13,300	$691
BUFFALOFISH	-	-	-	-	440,400	57,917
CABIO	-	-	1,600	128	-	-
CARP	-	-	-	-	10,900	378
CATFISH AND BULLHEADS	-	-	-	-	898,100	253,259
CROAKER	-	-	278,400	55,744	-	-
DRUM:						
BLACK	-	-	27,100	1,804	-	-
RED	-	-	15,000	2,176	-	-
FLOUNDERS	-	-	280,400	45,278	-	-
GARFISH	-	-	-	-	100	8
GROUPERS	-	-	2,400	283	-	-
JEWFISH	-	-	2,900	322	-	-
KING WHITING OR "KINGFISH"	-	-	418,600	34,677	-	-
MACKEREL, SPANISH	-	-	51,800	4,296	-	-
MULLET, BLACK (LISA)	-	-	9,500	295	-	-
PADDLEFISH	-	-	-	-	300	15
POMPANO	-	-	4,000	2,487	-	-
SAWFISH	-	-	1,800	111	-	-
SEA CATFISH	-	-	59,700	5,425	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	13,500	4,037	-	-
WHITE	-	-	36,000	3,714	-	-
SHARKS	-	-	2,600	230	-	-
SHEEPSHEAD:						
FRESH-WATER	-	-	-	-	159,700	15,526
SALT-WATER	-	-	44,400	2,815	-	-
SNAPPER, RED	-	-	69,600	18,916	-	-
SPOT	-	-	9,800	588	-	-
TRIPLETAIL	-	-	1,200	129	-	-
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD	29,895,900	$451,495	-	-	2,100	32
CRABS, BLUE:						
HARD	-	-	945,000	87,486	-	-
SOFT AND PEELER	-	-	100	62	-	-
SHRIMP, SALT-WATER	-	-	81,500,800	32,831,829	-	-
SQUID	-	-	2,100	217	-	-
TERRAPIN	-	-	300	100	-	-
TURTLES:						
GREEN	-	-	1,700	369	-	-
SNAPPER	-	-	-	-	300	97
TOTAL	29,895,900	451,495	83,780,400	33,103,526	1,525,200	327,923

(CONTINUED ON NEXT PAGE)

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS AND TRAPS					
	CRAB		CRAWFISH		FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS . . .	-	-	-	-	379,200	$106,920
CRABS, BLUE:						
HARD.	6,686,100	$617,293	-	-	-	-
SOFT AND PEELER	61,200	50,204	-	-	-	-
CRAWFISH, FRESH-WATER . . .	-	-	2,865,400	$568,206	-	-
TOTAL	6,747,300	667,497	2,865,400	568,206	379,200	106,920

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS		LINES	
					HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN.	600	$30	200	$10	-	-
BUFFALOFISH	308,600	40,596	114,900	15,120	-	-
CABIO	-	-	-	-	800	$63
CARP.	4,900	164	200	7	-	-
CATFISH AND BULLHEADS . . .	400,800	113,027	149,000	42,018	-	-
CROAKER	-	-	147,600	29,618	1,200	240
DRUM:						
BLACK	12,200	818	382,100	25,902	4,700	313
RED	24,600	3,565	665,700	97,415	15,000	2,178
FLOUNDERS	1,500	237	21,400	3,455	3,300	528
GARFISH	469,400	36,212	60,200	6,361	-	-
GROUPERS.	-	-	-	-	1,200	145
KING WHITING OR "KINGFISH".	-	-	14,400	1,221	500	41
MACKEREL, SPANISH	-	-	-	-	10,900	914
MULLET, BLACK (LISA). . . .	36,800	1,144	37,300	1,302	-	-
PADDLEFISH.	1,200	60	1,600	80	-	-
POMPANO	300	194	600	388	1,500	937
SAWFISH	-	-	800	46	-	-
SEA CATFISH	5,700	536	12,900	1,203	800	75
SEA TROUT OR WEAKFISH:						
SPOTTED	700	209	650,000	194,291	14,600	4,347
WHITE	-	-	57,500	5,814	6,700	695
SHAD.	600	21	-	-	-	-
SHARKS.	200	9	-	-	-	-
SHEEPSHEAD:						
FRESH-WATER	88,300	8,578	14,600	1,419	-	-
SALT-WATER.	-	-	259,300	16,448	-	-
SNAPPER, RED.	-	-	-	-	60,000	16,368
SPOT.	-	-	3,700	201	-	-
TRIPLETAIL.	-	-	-	-	100	11
WARSAW.	-	-	-	-	400	63
UNCLASSIFIED, FOR BAIT, REDUCTION, AND ANIMAL FOOD .	2,100	32	-	-	-	-
TURTLES, SNAPPER.	-	-	-	-	18,400	5,964
TOTAL	1,358,500	205,432	2,594,000	442,319	140,100	32,882

SPECIES	LINES - CONTINUED				DIP NETS	
	LONG OR SET WITH HOOKS		TROT WITH BAITS		COMMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH AND BULLHEADS . . .	2,475,800	$697,082	-	-	-	-
DRUM:						
BLACK	5,000	334	-	-	-	-
RED	2,200	319	-	-	-	-
FLOUNDERS	100	16	-	-	-	-
GARFISH	7,600	586	-	-	-	-
PADDLEFISH.	100	5	-	-	-	-
SEA CATFISH	13,700	1,291	-	-	-	-
SEA TROUT OR WEAKFISH:						
SPOTTED	500	149	-	-	-	-
WHITE	400	41	-	-	-	-
SHEEPSHEAD, FRESH-WATER . .	700	69	-	-	-	-
CRABS, BLUE:						
HARD.	-	-	3,199,000	$295,774	-	-
SOFT AND PEELER	-	-	19,300	15,818	-	-
SHRIMP, FRESH-WATER	-	-	-	-	6,800	$2,291
TURTLES:						
BABY.	-	-	-	-	200	2,700
SNAPPER	3,000	992	-	-	-	-
TOTAL	2,509,100	700,884	3,218,300	311,592	7,000	4,991

(CONTINUED ON NEXT PAGE)

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	DIP NETS - CONTINUED DROP		DREDGES, OYSTER, COMMON		TONGS, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE:						
HARD.	771,800	$71,478	-	-	-	-
SOFT AND PEELER	38,100	31,252	-	-	-	-
CRAWFISH, FRESH-WATER . . .	162,000	32,124	-	-	-	-
OYSTERS, MARKET:						
PUBLIC:						
SPRING.	-	-	1,351,300	$526,455	69,000	$26,860
FALL.	-	-	445,800	244,773	47,500	25,895
PRIVATE:						
SPRING.	-	-	5,038,700	1,961,700	174,800	68,012
FALL.	-	-	1,907,700	1,044,921	71,400	38,946
TOTAL	971,900	134,854	8,743,500	3,777,849	362,700	159,713

SPECIES	BRUSH TRAPS		CRABS, FROG		BY HAND, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS, BLUE, SOFT AND PEELER	77,900	$63,900	-	-	-	-
OYSTERS, MARKET, PRIVATE:						
SPRING.	-	-	-	-	56,900	$22,151
FALL.	-	-	-	-	15,800	8,628
FROGS	-	-	11,300	$8,051	-	-
TOTAL	77,900	63,900	11,300	8,051	72,700	30,779

TEXAS

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES, MENHADEN	OTTER TRAWLS, SHRIMP	POTS AND TRAPS, CRAB	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	191	4,975	-	-	-
ON BOATS AND SHORE:						
REGULAR	39	-	431	86	22	80
CASUAL.	14	-	280	9	2	2
TOTAL	53	191	5,686	95	24	82
VESSELS, MOTOR.	-	12	1,806	-	-	-
GROSS TONNAGE	-	3,650	114,535	-	-	-
BOATS:						
MOTOR	17	23	545	95	21	69
OTHER	6	-	-	-	-	44
GEAR:						
NUMBER.	19	12	3,895	14,440	21	67
LENGTH, YARDS	4,413	5,645	-	-	-	-
SQUARE YARDS.	-	-	-	-	7,700	27,900
YARDS AT MOUTH.	-	-	65,979	-	-	-

ITEM	LINES HAND	LINES LONG OR SET WITH HOOKS	SPEARS	DREDGES, OYSTER, COMMON	TONGS, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	212	-	-	362	-	5,484
ON BOATS AND SHORE:						
REGULAR	-	95	40	181	25	645
CASUAL.	255	12	25	-	10	552
TOTAL	467	107	65	543	35	6,681
VESSELS, MOTOR.	46	-	-	169	-	1,917
GROSS TONNAGE	2,425	-	-	2,973	-	120,717
BOATS:						
MOTOR	127	107	44	88	35	953
OTHER	-	-	-	-	-	50
GEAR:						
NUMBER.	460	107	65	257	35	-
YARDS AT MOUTH.	-	-	-	257	-	-
HOOKS OR BAITS.	2,762	110,500	-	-	-	-

TEXAS - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES, MENHADEN		OTTER TRAWLS, SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CROAKER	1,000	$92	-	-	72,500	$3,794
DRUM:						
BLACK	15,400	1,506	-	-	25,500	2,875
RED	41,100	8,429	-	-	2,800	558
FLOUNDERS	200	42	-	-	270,600	57,900
GROUPERS.	-	-	-	-	8,500	632
KING WHITING OR "KINGFISH".	3,900	226	-	-	62,200	3,338
MENHADEN.	-	-	73,192,800	$1,232,878	-	-
MULLET, BLACK (LISA). . . .	21,200	778	-	-	78,700	2,704
POMPANO	800	358	-	-	-	-
SEA CATFISH	400	20	-	-	50,300	2,979
SEA TROUT OR WEAKFISH:						
SPOTTED	127,000	26,968	-	-	4,300	868
WHITE	5,000	502	-	-	900	84
SHEEPSHEAD, SALT-WATER. . .	19,300	1,765	-	-	121,300	11,196
SNAPPER, RED	-	-	-	-	148,000	53,218
WARSAW.	-	-	-	-	800	60
UNCLASSIFIED:						
FOR FOOD.	1,400	78	-	-	159,500	8,459
FOR BAIT, REDUCTION, AND ANIMAL FOOD	-	-	-	-	323,000	11,613
CRABS, BLUE, HARD	-	-	-	-	172,000	9,238
SHRIMP, SALT-WATER.	-	-	-	-	70,695,100	42,883,870
SQUID	-	-	-	-	6,900	699
TOTAL	236,700	40,764	73,192,800	1,232,878	72,202,900	43,054,085

SPECIES	POTS AND TRAPS, CRAE		GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	20,000	$3,600	-	-
CROAKER	-	-	2,000	181	6,700	$428
DRUM:						
BLACK	-	-	22,500	2,656	188,900	24,537
RED	-	-	60,500	13,599	357,600	77,170
FLOUNDERS	-	-	2,300	464	-	-
GARFISH	-	-	40,000	1,800	-	-
MULLET, BLACK (LISA). . . .	-	-	-	-	81,800	2,466
POMPANO	-	-	-	-	200	73
SEA CATFISH	-	-	-	-	12,600	652
SEA TROUT OR WEAKFISH:						
SPOTTED	-	-	43,000	9,797	472,200	101,664
WHITE	-	-	-	-	12,400	1,231
SHEEPSHEAD, SALT-WATER. . .	-	-	900	73	43,400	4,165
UNCLASSIFIED, FOR FOOD. . .	-	-	-	-	14,900	801
CRABS, BLUE, HARD	6,170,700	$590,459	-	-	-	-
TOTAL	6,170,700	590,459	191,200	32,170	1,190,700	213,187

(CONTINUED ON NEXT PAGE)

GULF FISHERIES

TEXAS - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	LINES				SPEARS	
	HAND		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CABIO	14,300	$1,790	-	-	-	-
CATFISH AND BULLHEADS	-	-	5,400	$1,890	-	-
CROAKER	600	60	1,600	145	-	-
DRUM:						
BLACK	18,400	2,180	339,300	44,875	-	-
RED	57,100	11,965	564,200	120,465	-	-
FLOUNDERS	2,700	678	11,400	2,865	6,900	$1,801
GROUPERS	44,100	4,774	-	-	-	-
POMPANO	2,600	1,151	-	-	-	-
SEA CATFISH	1,900	257	100	12	-	-
SEA TROUT OR WEAKFISH, SPOTTED	70,100	14,647	456,300	103,218	-	-
SHEEPSHEAD, SALT-WATER	2,800	168	24,900	2,243	-	-
SNAPPER, RED	776,700	288,769	-	-	-	-
WARSAW	19,000	1,967	-	-	-	-
UNCLASSIFIED, FOR FOOD	-	-	500	50	-	-
TOTAL	1,010,300	328,406	1,403,700	275,763	6,900	1,801

SPECIES	DREDGES, OYSTER, COMMON		TONGS, OYSTER	
	POUNDS	VALUE	POUNDS	VALUE
OYSTERS, MARKET:				
PUBLIC:				
SPRING	2,112,600	$807,196	25,200	$10,880
FALL	1,485,800	632,803	7,500	3,022
PRIVATE:				
SPRING	31,000	17,834	-	-
FALL	101,600	53,070	-	-
TOTAL	3,731,000	1,510,903	32,700	13,902

GULF SHRIMP FISHERY

SUMMARY OF GULF SHRIMP LANDINGS, 1969

SIZE	BROWN		PINK		WHITE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNDER 15	1,562,799	$2,226,701	193,296	$283,797	653,623	$918,286
15 - 20	6,668,957	8,530,698	700,487	924,527	4,713,616	6,072,024
21 - 25	7,486,548	8,799,189	1,689,587	2,009,652	5,250,942	6,093,735
26 - 30	5,599,094	6,062,300	2,175,654	2,345,626	5,115,522	5,425,396
31 - 40	10,482,828	9,467,110	3,876,906	3,544,778	8,452,029	7,635,899
41 - 50	6,900,522	5,177,678	2,440,908	1,864,958	3,960,039	2,904,873
51 - 67	7,933,458	4,519,701	3,314,912	1,917,849	6,333,764	3,517,027
68 AND OVER	19,163,359	6,421,762	782,251	311,622	10,280,602	3,732,848
TOTAL	65,797,565	51,205,139	15,174,001	13,202,809	44,760,137	36,300,088

SIZE	SEA BOBS		ROYAL RED		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNDER 15	-	-	-	-	2,409,718	$3,428,784
15 - 20	-	-	10,940	$15,422	12,094,000	15,542,671
21 - 25	-	-	32,875	37,343	14,459,952	16,939,919
26 - 30	-	-	51,917	55,498	12,942,187	13,888,820
31 - 40	-	-	126,329	107,706	22,938,092	20,755,493
41 - 50	-	-	43,084	33,972	13,344,553	9,981,481
51 - 67	-	-	5,779	3,343	17,587,913	9,957,920
68 AND OVER	519,686	$98,212	368	111	30,746,266	10,564,555
TOTAL	519,686	98,212	271,292	253,395	126,522,681	101,059,643

NOTE:--ALL WEIGHTS ARE ON A HEADS-OFF BASIS. LANDING FIGURES REPRESENT THE HEADS-OFF WEIGHT AND, THEREFORE, ARE NOT DIRECTLY COMPARABLE WITH THE HEADS-ON (LIVE WEIGHT) QUANTITIES PUBLISHED IN THE GENERAL REVIEW AND REGIONAL TABLES. POUNDS OF HEADS-OFF SHRIMP MAY BE CONVERTED TO HEADS-ON (ROUND) WEIGHT BY MULTIPLYING BROWN SHRIMP WEIGHT BY 1.61; PINK, BY 1.60; WHITE, BY 1.54; SEA BOBS, BY 1.53; AND ROYAL RED, BY 1.80.

GULF SHRIMP LANDINGS BY SPECIES AND SIZE, 1969

SPECIES AND SIZE	FLORIDA, WEST COAST		ALABAMA		MISSISSIPPI	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15.	3,832	$5,622	44,865	$63,853	2,118	$3,153
15 - 20	69,162	89,611	595,697	808,183	48,100	65,798
21 - 25	108,461	129,991	927,026	1,119,651	140,274	169,471
26 - 30	122,174	133,943	1,100,625	1,201,139	180,187	188,437
31 - 40	147,171	132,715	986,673	896,838	266,019	225,050
41 - 50	123,555	96,150	815,298	600,724	627,823	435,389
51 - 67	120,298	78,163	1,590,871	882,344	1,864,781	1,027,585
68 AND OVER	104,959	49,948	612,871	241,203	891,974	349,271
TOTAL	799,612	716,143	6,673,926	5,813,935	4,021,276	2,464,154
PINK:						
UNDER 15.	6,547	8,927	-	-	-	-
15 - 20	424,868	559,592	11,210	15,436	3,796	5,350
21 - 25	1,258,155	1,497,637	71,252	87,513	34,786	42,971
26 - 30	1,732,981	1,868,719	55,933	61,202	68,030	74,810
31 - 40	3,077,704	2,816,518	39,051	35,946	64,732	62,717
41 - 50	2,005,034	1,527,238	17,858	13,185	123,608	87,238
51 - 67	2,986,994	1,691,413	5,204	3,659	42,702	23,979
68 AND OVER	773,575	306,470	5,748	3,862	2,665	1,210
TOTAL	12,265,858	10,276,514	206,256	220,803	340,319	298,275
WHITE:						
UNDER 15.	693	955	20,847	30,549	-	-
15 - 20	115,843	148,111	1,006,596	1,262,483	488,914	590,618
21 - 25	127,209	150,768	526,413	623,411	285,815	318,310
26 - 30	139,239	148,543	284,822	306,317	136,585	133,682
31 - 40	222,097	210,454	258,822	239,535	78,765	67,579
41 - 50	122,450	89,563	211,614	160,968	55,472	39,278
51 - 67	173,333	90,364	151,620	90,224	95,729	57,309
68 AND OVER	280,162	98,272	50,625	22,431	83,173	40,255
TOTAL	1,181,026	937,030	2,511,359	2,735,918	1,224,453	1,247,031
SEA BOBS, UNDER 15.	22,348	2,595	-	-	-	-
ROYAL RED:						
21 - 25	140	134	-	-	270	324
26 - 30	-	-	1,600	1,792	-	-
31 - 40	75,114	60,873	17,536	15,648	896	683
41 - 50	33,935	27,304	-	-	50	50
51 - 67	1,035	568	-	-	15	10
68 AND OVER	105	25	-	-	-	-
TOTAL	110,329	88,904	19,136	17,440	1,231	1,067
GRAND TOTAL	14,379,173	12,021,186	9,410,677	8,788,096	5,587,279	4,010,527

SPECIES AND SIZE	LOUISIANA		TEXAS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15.	445,169	$645,253	1,066,815	$1,508,820	1,562,799	$2,226,701
15 - 20	765,926	1,039,230	5,190,072	6,527,876	6,668,957	8,530,698
21 - 25	895,205	1,059,338	5,415,582	6,320,738	7,486,548	8,799,189
26 - 30	864,460	932,981	3,331,648	3,605,800	5,599,094	6,062,300
31 - 40	1,746,467	1,594,227	7,336,498	6,618,280	10,482,828	9,467,110
41 - 50	1,103,853	824,408	4,229,993	3,221,007	6,900,522	5,177,678
51 - 67	1,490,808	840,114	2,866,700	1,691,495	7,933,458	4,519,701
68 AND OVER	16,887,124	5,585,044	666,431	196,296	19,163,359	6,421,762
TOTAL	24,199,012	12,520,595	30,103,739	29,690,312	65,797,565	51,205,139

SEE NOTE AT END OF TABLE.

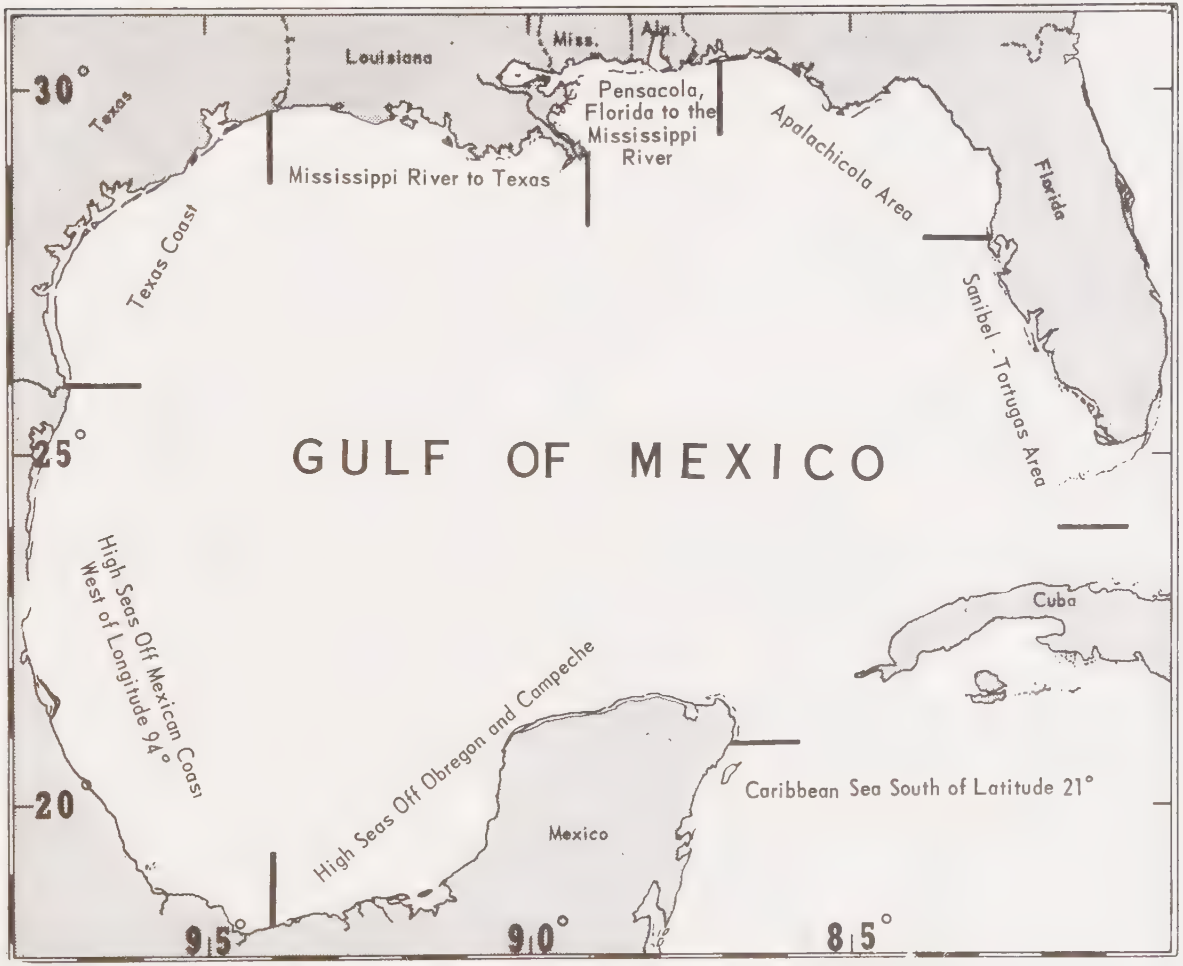
(CONTINUED ON NEXT PAGE)

GULF SHRIMP LANDINGS BY SPECIES AND SIZE, 1969 - Continued

SPECIES AND SIZE	LOUISIANA		TEXAS		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PINK:						
UNDER 15.	1,090	$1,636	185,659	$273,234	193,296	$283,797
15 - 20	2,000	2,750	258,613	341,399	700,487	924,527
21 - 25	3,309	3,743	322,085	377,788	1,689,587	2,009,652
26 - 30	5,687	6,252	313,023	334,643	2,175,654	2,345,626
31 - 40	1,559	1,553	693,860	628,044	3,876,906	3,544,778
41 - 50	220	155	294,188	237,142	2,440,908	1,864,958
51 - 67	120	72	279,892	198,726	3,314,912	1,917,849
68 AND OVER	263	80	-	-	782,251	311,622
TOTAL	14,248	16,241	2,347,320	2,390,976	15,174,001	13,202,809
WHITE:						
UNDER 15.	336,704	487,197	295,379	399,585	653,623	918,286
15 - 20	1,984,797	2,638,441	1,117,466	1,432,371	4,713,616	6,072,024
21 - 25	2,484,027	2,953,928	1,827,478	2,047,318	5,250,942	6,093,735
26 - 30	2,301,084	2,521,266	2,253,792	2,315,588	5,115,522	5,425,396
31 - 40	4,569,469	4,197,486	3,322,876	2,920,845	8,452,029	7,635,899
41 - 50	2,411,573	1,787,540	1,158,930	827,524	3,960,039	2,904,873
51 - 67	4,680,868	2,620,957	1,232,214	658,173	6,333,764	3,517,027
68 AND OVER	9,114,864	3,384,731	751,778	187,159	10,280,602	3,732,848
TOTAL	27,683,386	20,591,546	11,959,913	10,788,563	44,760,137	36,300,066
SEA BOBS, UNDER 15.	472,979	92,523	24,359	3,094	519,686	98,212
ROYAL RED:						
15 - 20	10,940	15,422	-	-	10,940	15,422
21 - 25	32,465	36,885	-	-	32,875	37,343
26 - 30	40,195	42,781	10,122	10,925	51,917	55,498
31 - 40	32,783	30,502	-	-	126,329	107,706
41 - 50	9,099	6,618	-	-	43,084	33,972
51 - 67	4,729	2,765	-	-	5,779	3,343
68 AND OVER	263	86	-	-	368	111
TOTAL	130,474	135,059	10,122	10,925	271,292	253,395
GRAND TOTAL	52,700,099	33,355,964	44,445,453	42,883,870	126,522,681	101,059,643

SEE NOTE ON PAGE 225.

MAJOR SHRIMP CATCH STATISTICAL AREAS, GULF OF MEXICO


Louisiana
Miss.
Ala.
Texas
30°
Pensacola, Florida to the Mississippi River
Mississippi River to Texas
Apalachicola Area
Florida
Texas Coast
Sanibel - Tortugas Area
25°
GULF OF MEXICO
Cuba
High Seas Off Mexican Coast West of Longitude 94°
High Seas Off Obregon and Campeche
Caribbean Sea South of Latitude 21°
20°
Mexico
95°
90°
85°

GULF COAST SHRIMP CATCH BY AREA, DEPTH, AND SIZE, 1969

MAJOR WATER AREA, DEPTH, AND SPECIES	TRIPS	SIZE (HEADS-OFF PER POUND)								TOTAL
		UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	
	NUMBER	POUNDS								
SANIBEL AND TORTUGAS										
0 - 5 FATHOMS: PINK		-	-	467	645	-	1,119	1,320	190	3,741
WHITE		-	-	2,057	765	-	-	-	-	2,822
6 - 15 FATHOMS: WHITE		-	-	846	-	-	-	-	-	846
P. BRASIL.		-	-	900	-	2,362	961	122	20	4,365
6 - 20 FATHOMS: BROWN		-	1,485	-	-	-	-	-	-	1,485
PINK		1,841	235,922	819,337	1,102,663	2,295,344	1,620,755	2,673,240	625,383	9,374,485
ROYAL RED		-	-	-	-	3,269	-	-	-	3,269
21 - 35 FATHOMS: P. BRASIL.		-	-	-	2,082	215	-	-	-	2,297
21 - 200 FATHOMS: PINK		338	80,825	108,913	42,497	79,711	27,233	17,980	4,551	362,048
21 - 250 FATHOMS: ROYAL RED		-	-	140	-	71,845	33,935	1,035	105	107,060
TOTAL	6,954.5	2,179	318,232	932,660	1,146,052	2,452,746	1,684,003	2,693,697	630,249	[illegible]
APALACHICOLA AREA										
0 - 5 FATHOMS: BROWN		-	-	1,609	8,526	25,562	23,361	62,217	85,595	206,870
PINK		-	39	153	6,021	42,813	83,401	147,264	127,255	406,946
WHITE		183	27,943	36,484	60,466	143,956	88,685	153,950	278,611	790,278
SEA BOBS		22,348	-	-	-	-	-	-	-	22,348
6 - 10 FATHOMS: BROWN		-	-	855	-	-	589	-	-	1,444
6 - 15 FATHOMS: PINK		88	20,459	49,234	73,557	102,870	156,658	118,017	10,575	531,458
WHITE		-	486	81	1,603	1,062	764	-	305	[illegible]
21 - 280 FATHOMS: ROYAL RED		-	-	1,100	3,665	1,735	-	-	-	[illegible]
TOTAL	8,822.0	22,619	48,927	89,516	153,838	317,998	353,458	481,448	502,341	[illegible]
PENSACOLA TO MISSISSIPPI RIVER										
0 - 5 FATHOMS: BROWN		-	438	6,328	35,007	201,429	651,626	2,115,369	2,870,812	[illegible]
PINK		-	514	2,336	26,483	31,445	48,183	17,394	2,792	[illegible]
WHITE		2,386	574,936	629,647	507,984	684,822	518,465	934,055	776,659	4,628,954
6 - 20 FATHOMS: BROWN		4,108	82,744	335,245	720,828	1,145,178	1,038,918	1,593,288	368,701	5,289,010
PINK		-	3,002	85,934	68,946	38,516	77,810	27,589	2,675	304,472
WHITE		18,719	860,777	373,356	184,950	284,906	205,448	145,171	53,912	2,127,239
21 - 35 FATHOMS: PINK		-	-	-	807	-	-	-	-	807
WHITE		4,223	20,807	5,214	1,466	2,525	275	666	-	35,176
21 - 45 FATHOMS: BROWN		39,824	472,882	627,282	522,208	288,049	121,414	181,280	59,030	[illegible]
21 - 200 FATHOMS: ROYAL RED		-	2,230	[illegible]	31,012	39,212	3,695	1,825	35	[illegible]
TOTAL	[illegible]	69,260	2,018,330	[illegible]	[illegible]	2,716,082	2,665,834	[illegible]	4,134,616	[illegible]
MISSISSIPPI RIVER TO TEXAS										
0 - 5 FATHOMS: BROWN		885	3,451	5,126	12,785	57,498	110,960	508,601	14,601,304	15,300,610
PINK		-	-	644	475	408	-	-	-	1,527
WHITE		35,932	529,067	968,962	1,123,538	2,449,432	1,429,070	3,304,999	8,428,209	18,269,209
SEA BOBS		497,338	-	-	-	-	-	-	-	497,338
6 - 10 FATHOMS: PINK		5	633	185	20	395	25	20	263	1,546
6 - 20 FATHOMS: BROWN		62,309	234,461	350,695	407,403	886,304	601,675	583,803	518,218	3,644,868
WHITE		279,495	1,604,282	1,461,056	1,041,225	1,766,743	621,484	640,749	345,450	7,760,484
21 - 45 FATHOMS: BROWN		398,297	1,521,734	1,146,624	633,434	608,847	164,548	95,121	10,005	4,578,610
21 - 190 FATHOMS: ROYAL RED		-	8,710	24,970	17,240	10,268	5,454	2,919	228	69,789
21 - [illegible] FATHOMS: WHITE		870	7,539	11,910	9,161	3,449	2,013	215	340	35,497
TOTAL	160,653.4	1,275,131	3,909,877	3,970,172	3,245,281	5,783,344	2,935,229	5,136,427	23,904,017	50,159,478
TEXAS COAST										
0 - 5 FATHOMS: BROWN		164	410	1,390	869	6,577	14,065	150,299	611,043	784,817
WHITE		151,336	481,074	962,224	1,506,005	2,505,163	902,695	955,175	357,704	7,821,376
6 - 15 FATHOMS: PINK		-	4,559	570	6,087	3,011	-	-	-	14,227
6 - 20 FATHOMS: BROWN		139,461	949,832	1,644,838	2,005,054	4,528,704	3,309,408	2,083,262	38,191	14,698,750
WHITE		132,300	542,639	762,865	654,845	558,842	170,694	187,678	39,412	3,049,275
21 - 35 FATHOMS: PINK		6,685	3,935	7,045	80	1,185	-	-	-	18,930
21 - 40 FATHOMS: WHITE		100	2,873	814	3,128	1,785	281	354	-	9,335
21 - 45 FATHOMS: BROWN		441,153	2,626,586	2,606,590	748,585	1,531,661	530,532	332,489	35	8,817,631
TOTAL	[illegible]	871,199	4,611,908	5,986,336	4,924,653	9,136,928	[illegible]	[illegible]	[illegible]	[illegible]

(CONTINUED)

GULF COAST SHRIMP CATCH BY AREA, DEPTH, AND SIZE, 1969 - Continued

MAJOR WATER AREA, DEPTH, AND SPECIES	TRIPS	SIZE (HEADS-OFF PER POUND)								TOTAL
		UNDER 15	15 - 20	21 - 25	26 - 30	31 - 40	41 - 50	51 - 67	68 & OVER	
	NUMBER					POUNDS				
HIGH SEAS OFF MEXICAN COAST WEST OF 94° L[illegible]										
0 - 5 FATHOMS: WHITE		1,355	2,470	2,256	1,796	5,950	3,985	1,385	-	19,197
6 - 15 FATHOMS: PINK		-	-	1,366	-	-	-	-	-	1,366
6 - 20 FATHOMS: BROWN		23,553	54,798	68,606	53,639	102,881	42,243	57,876	15	403,611
WHITE		19,505	34,569	23,955	13,023	31,507	12,513	9,277	-	144,349
21 - 30 FATHOMS: PINK		-	-	330	-	1,080	-	-	-	1,410
21 - 35 FATHOMS: WHITE		220	545	270	119	303	80	35	-	1,572
21 - 40 FATHOMS: BROWN		427,189	689,038	621,678	403,882	998,984	239,655	156,033	-	3,536,459
TOTAL	2,370.5	471,822	781,420	718,461	472,459	1,140,705	298,476	224,606	15	4,107,964
HIGH SEAS OFF OBREGON AND CAMPECHE										
0 - 5 FATHOMS: PINK		60	715	65	830	30	-	-	-	1,700
WHITE		80	75	20	-	-	-	5	-	180
6 - 20 FATHOMS: BROWN		2,702	3,743	6,899	3,871	14,377	7,200	6,063	-	44,855
PINK		43,014	162,228	321,257	334,999	652,714	284,421	217,512	1,015	2,017,160
WHITE		5,659	18,814	1,987	40	580	220	-	-	27,300
P. BRASIL.		1,705	8,482	56,368	168,807	247,346	46,201	31,087	1,180	561,176
21 - 30 FATHOMS: WHITE		1,375	4,175	715	180	270	75	50	-	6,840
21 - 40 FATHOMS: BROWN		20,609	20,403	22,525	13,366	22,239	6,166	4,739	-	110,047
P. BRASIL.		29,162	33,069	105,720	227,703	195,799	36,049	14,387	2,773	644,662
21 - 45 FATHOMS: PINK		111,368	152,072	152,910	102,762	193,904	43,893	47,489	3,579	807,977
TOTAL	841.5	215,734	403,776	668,466	852,558	1,327,259	424,225	321,332	8,547	4,221,897
CARIBBEAN SEA SOUTH OF 21° NORTH LATITUDE										
6 - 15 FATHOMS: WHITE		-	770	4,253	1,941	27	-	-	-	6,991
6 - 20 FATHOMS: BROWN		-	1,158	34,276	24,167	41,468	36,277	1,040	410	138,796
PINK		235	1,040	2,480	26,457	18,079	12,800	-	-	61,091
21 - 25 FATHOMS: WHITE		-	-	-	80	-	-	-	-	80
21 - 50 FATHOMS: BROWN		3,070	6,715	5,720	5,340	23,290	2,270	1,105	-	47,510
TOTAL	25.0	3,305	9,683	46,729	57,985	82,[illegible]4	51,347	2,14[illegible]	410	2[illegible]4,4[illegible]
ATLANTIC OCEAN										
0 - 5 FATHOMS: WHITE		-	-	1,715	109	-	-	-	-	1,824
6 - 15 FATHOMS: WHITE		-	-	370	3,123	9,653	3,292	-	-	16,438
TOTAL	14.0	-	-	2,085	3,232	9,653	3,292	-	-	18,262
GRAND TOTAL	268,284.0	2,931,249	12,102,153	14,486,432	12,958,349	22,967,579	13,343,539	17,585,549	30,226,580	126,601,430

NOTE:--THESE DATA REPRESENT THE CATCHES OF VESSELS COMPLETING TRIPS DURING THE YEAR, REGARDLESS OF WHEN LANDINGS OCCURRED. CONSEQUENTLY, THE DATA ARE NOT DIRECTLY COMPARABLE WITH THOSE PRESENTED IN THE TABLE WHICH REPRESENT LANDINGS. A SINGLE TRIP IS SHOWN FOR EACH VOYAGE. ADDITIONAL TABULATIONS CONCERNING THE GULF OF MEXICO CATCH OF SHRIMP IN MORE DETAIL BY AREA, DEPTH, SIZE, AND FISHING EFFORT MAY BE OBTAINED UPON REQUEST FROM THE U.S. DEPARTMENT OF COMMERCE, NATIONAL MARINE FISHERIES SERVICE, DIVISION OF STATISTICS AND MARKET NEWS, WASHINGTON, D.C. 20240.

SOUTH ATLANTIC AND GULF COAST SHRIMP LANDINGS, 1969

SPECIES AND SIZE	SOUTH ATLANTIC COAST		GULF COAST		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BROWN:						
UNDER 15	-	-	1,562,799	$2,226,701	1,562,799	$2,226,701
15 - 20	252,217	$311,913	6,668,957	8,530,698	6,921,174	8,842,611
21 - 25	904,805	1,066,215	7,486,548	8,799,189	8,391,353	9,865,404
26 - 30	880,535	941,232	5,599,094	6,062,300	6,479,629	7,003,532
31 - 40	2,149,721	1,956,711	10,482,828	9,467,110	12,632,549	11,423,821
41 - 50	730,122	546,139	6,900,522	5,177,678	7,630,644	5,723,817
51 - 67	373,814	238,761	7,933,458	4,519,701	8,307,272	4,758,462
68 AND OVER	31,872	16,370	19,163,359	6,421,762	19,195,231	6,438,132
TOTAL	5,323,086	5,077,341	65,797,565	51,205,139	71,120,651	56,282,480
PINK:						
UNDER 15	-	-	193,296	283,797	193,296	283,797
15 - 20	13,946	17,480	700,487	924,527	714,433	942,007
21 - 25	48,668	57,077	1,689,587	2,009,652	1,738,255	2,066,729
26 - 30	46,078	47,919	2,175,654	2,345,626	2,221,732	2,393,545
31 - 40	220,199	194,523	3,876,906	3,544,778	4,097,105	3,739,301
41 - 50	442,516	320,863	2,440,908	1,864,958	2,883,424	2,185,821
51 - 67	289,856	180,771	3,314,912	1,917,849	3,604,768	2,098,620
68 AND OVER	-	-	782,251	311,622	782,251	311,622
TOTAL	1,061,263	818,633	15,174,001	13,202,809	16,235,264	14,021,442
WHITE:						
UNDER 15	38	57	653,623	918,286	653,661	918,343
15 - 20	18,149	22,956	4,713,616	6,072,024	4,731,765	6,094,980
21 - 25	988,358	1,179,578	5,250,942	6,093,735	6,239,300	7,273,313
26 - 30	2,193,340	2,472,883	5,115,522	5,425,396	7,308,862	7,898,279
31 - 40	3,620,761	3,540,019	8,452,029	7,635,899	12,072,790	11,175,918
41 - 50	2,133,389	1,749,658	3,960,039	2,904,873	6,093,428	4,654,531
51 - 67	1,656,858	1,101,571	6,333,764	3,517,027	7,990,622	4,618,598
68 AND OVER	372,709	167,952	10,280,602	3,732,848	10,653,311	3,900,800
TOTAL	10,983,602	10,234,674	44,760,137	36,300,088	55,743,739	46,534,762
SEA BOBS, UNDER 15	-	-	519,686	98,212	519,686	98,212
ROYAL RED:						
15 - 20	-	-	10,940	15,422	10,940	15,422
21 - 25	25,731	29,947	32,875	37,343	58,606	67,290
26 - 30	1,544	1,717	51,917	55,498	53,461	57,215
31 - 40	7,059	6,485	126,329	107,706	133,388	114,191
41 - 50	17,209	14,404	43,084	33,972	60,293	48,376
51 - 67	3,985	3,047	5,779	3,343	9,764	6,390
68 AND OVER	-	-	368	111	368	111
TOTAL	55,528	55,600	271,292	253,395	326,820	308,995
GRAND TOTAL	17,423,479	16,186,248	126,522,681	101,059,643	143,946,160	117,245,891

NOTE:--ALL WEIGHTS ARE ON HEADS-OFF BASIS. THE SIZE INDICATES THE NUBER OF HEADS-OFF SHRIMP TO THE POUND. TO CONVERT TO HEADS-ON WEIGHT MULTIPLY BY 1.61 FOR BROWN, 1.60 FOR PINK, 1.54 FOR WHITE, 1.53 FOR SEA BOBS, AND 1.80 FOR ROYAL RED. THE STATES LISTED REPRESENT THE STATES WHERE THE SHRIMP WERE LANDED REGARDLESS OF WHERE CAUGHT. THE NAMES OF THE SPECIES USED IN THESE TABLES ARE AS FOLLOWS: WHITE SHRIMP (MOSTLY PENAEUS SETIFERUS), BROWN SHRIMP (MOSTLY PENAEUS AZTECUS), PINK SHRIMP (MOSTLY PENAEUS DUORARUM), SEA BOBS (MOSTLY XIPHOPENAEUS KROYERI), AND ROYAL RED (MOSTLY HYMENOPENAEUS ROBUSTUS). THE VALUE REPORTED IS THE AMOUNT RECEIVED BY THE OWNERS OR OPERATORS OF THE VESSELS FOR THE FIRST SALE AT THE DOCK. ANY EXPENSES INVOLVED IN HANDLING OR PROCESSING ASHORE ARE NOT INCLUDED, EVEN THOUGH CHARGEABLE TO THE VESSEL. THE SIZE REPORTED GENERALLY IS THAT USED AS OF THE FIRST SALE. SIZE GRADING IN VARYING DEGREES OF UNIFORMITY MAY OR MAY NOT OCCUR AT, OR PRIOR TO, THE TIME FIRST SALES ARE MADE. IF GRADING IS NOT DONE AT THIS TIME, THE SIZE REPORTED IS AN AVERAGE SIZE AND MAY INCLUDE SEVERAL SIZE CLASSIFICATIONS.

SECTION 7 - PACIFIC COAST FISHERIES

The commercial fisheries of the Pacific Coast States yielded a catch of 1.2 billion pounds worth $177.4 million--a gain of 78.5 million pounds (7 percent) and $7.0 million (4 percent) compared with 1968. Landings of anchovies and yellowfin tuna increased sharply, and slighter increases occurred in catches of bonito, flounders, halibut, rockfishes, sea herring, snow (tanner) crabs, and shrimp. Catches of jack mackerel, salmon, king and Dungeness crabs, and squid were less than in 1968. The greater value reflected a marked increase in the average price per pound that fishermen received for halibut and Dungeness crabs, and generally higher exvessel prices for many major species compared with 1968.

The Pacific Coast States had 28 percent of the volume and 34 percent of the value of the U.S. catch, and exceeded all other areas in value. California with landings of 578.6 million pounds had 48 percent of the quantity of the Pacific Coast production, followed by Alaska with 386.1 million pounds. Alaska with $70.4 million had 40 percent of the value of the Pacific Coast landings, followed by California ($62.8 million) with 35 percent. Washington and Oregon supplied the remaining 231.2 million pounds worth $44.2 million.

Fishermen and vessels. The Pacific Coast States had 40,027 fishermen using 5,144 vessels (5 net tons or more) and 17,424 motor boats--an increase of 2,095 fishermen and 821 motor boats, but a decrease of 29 vessels compared with 1968.

At the end of 1969, the U.S. tuna fleet numbered 141 active vessels with a carrying capacity of 50 tons or more. The aggregate carrying capacity was 51,035 tons--16 percent more than in 1968. Eleven new vessels joined the U.S. tuna fleet in 1969; five vessels were lost at sea or sold to foreign registry during the year.

Tuna. The catch of tuna was 315.0 million pounds worth $52.3 million--a gain of 33.8 million pounds (12 percent) and $7.4 million (16 percent) compared with 1968. A sharp increase in yellowfin tuna landings (34 percent) and value (39 percent) accounted largely for the gain. Bluefin tuna landings increased slightly also, but catches of albacore and skipjack tuna declined substantially.

The albacore catch of 48.1 million pounds was 7.8 million less than in 1968. The decline was principally in Oregon landings--29.8 million pounds in 1969 compared with the record 37.8 million taken in 1968. California landings of 14.7 million pounds also declined slightly, but the Washington catch (3.6 million pounds) was somewhat greater than in the previous year. The season's first albacore catches, made in early July off Coos Bay, Oreg., were followed by a period of stormy weather that kept most of the fleet in port. Late in the month, however, calm seas and fairly warm water led to excellent fishing. During most of August, favorable fishing conditions off the southwest coast of Vancouver Island permitted the farthest northward penetration of the commercial fishery since 1959. Many craft reported average catches of 200 to 400 fish per day during a 15-to-20-day period. The area 40 to 60 miles off the Washington coast also yielded excellent catches until the seasonal decline at the end of August. During September, seasonal windy weather sharply curtailed fishing by small jig boats, but there were some periods of good fishing--especially in waters off southern Oregon and northern California. Winds of gale force ended albacore fishing for most of the northwest fleet in early October. Canneries in Astoria, Oreg., paid $450 per ton for albacore throughout the season--compared with an average of $420 per ton in 1968.

Landings of bluefin tuna were 15.2 million pounds--2.3 million more than in 1968, and the best production since the record 35.2 million pounds taken in 1966. The bluefin catch, however, was 30 percent less than the 9-year average (1960-68) of 21.7 million pounds. During June, fishing was generally poor because of the stormy weather prevailing from local banks off Baja California to waters off Central America. From the beginning of July until past the middle of the month, several seiners reported fair to good catches of bluefin tuna off the Baja California area. Early in August, fishermen took light catches of bluefin from the Gulf of California. During August and September much fishing effort was lost because of squally weather that forced vessels operating off the Gulf of California and in northern Mexico waters to put into port. Toward the end of September small purse seiners gathered off Baja California for the season's last good catches of bluefin.

The catch of skipjack tuna was 46.0 million pounds--13.2 million less than in 1968, and the smallest harvest in the last decade. Some of the best catches in 1969 were made off the coasts of Ecuador and Peru from early May to mid-June. The season was generally unsatisfactory, however, and landings were only fair throughout the year.

Yellowfin tuna landings were a record 205.7 million pounds--an increase of 52.5 million compared with 1968, and 6.2 million pounds compared with 1948, the former record year. In accordance with the recommendations of the Inter-American Tropical Tuna Commission, the 1969 quota of yellowfin tuna from the regulatory area off California to the central coastline of Chile was set at 120,000 short tons and the fishery was closed on April 16, 1969. It was the fourth consecutive year that this fishery operated under a quota system designed to maintain the yellowfin population at the maximum sustainable harvest.

Salmon. Landings of 267.8 million pounds worth $62.9 million were 59.8 million pounds (18 percent) and $3.8 million (6 percent) less than in 1968.

Principal cause of the decline was the Alaska catch of 219.1 million pounds worth $42.4 million--a decrease of 66.1 million pounds (23 percent) and $7.0 million (14 percent) compared with 1968. In Alaska, all species except red salmon declined in both volume and value in 1969. Red salmon landings of 71.7 million pounds worth $18.0 million increased 47 percent in quantity and 42 percent in value compared with 1968. A spectacular run of about 19 million fish in Bristol Bay contributed markedly to the red salmon production--despite the loss of 5 days fishing time because of a price dispute. The excellent escapement of reds in all river systems should provide the potential for good returns in 4 or 5 years. Chinook salmon landings were 10.7 million pounds--4 percent less than in 1968. One of the best Bristol Bay harvests in nearly 20 years helped to increase the chinook production. Pink salmon landings of 106.0 million pounds declined sharply from the 148.4 million taken in 1968. A phenomenal run of pinks developed at Kodiak too late in the season for fishermen to take full advantage of it. Landings could have been greater, but many fishermen had already stored their boats and gear for the season, before the unusual run developed. A production record for mid-August was set when fishermen landed more than one million fish in 1 day. There was an excellent escapement, however, and the industry anticipated an abundance of pink salmon in the 1971 cycle year. Compared with 1968, landings of chum salmon (22.7 million pounds) declined 33.2 million, and silver salmon (8.0 million) declined 12.9 million pounds.

In both Washington and Oregon the salmon catch increased slightly compared with the previous year. Washington landings of 32.0 million pounds worth $12.4 million were 6.2 million pounds and $2.8 million more than in 1968. Oregon landings of 10.5 million pounds worth $4.2 million increased 10 percent in volume and 18 percent in value compared with 1968.

In Washington, landings of chinook, pink, and red salmon accounted for the gain in volume. The red salmon catch (9.6 million pounds) was nearly twice the 1968 production. Washington fishermen took 1.6 million red or sockeye salmon from the Fraser River run--slightly less than the British Columbia catch. In addition to the Fraser River landings, the salmon bound for Lake Washington were fished commercially for the second consecutive year, and about 70,000 fish were taken. An escapement of 190,000 red salmon went through the lake to Cedar River. According to biologists, this new run should have a potential return of one million fish in 1971. Pink salmon landings in Washington were nearly 6 million pounds. The fish returned in significant numbers to Puget Sound as usual in an odd-numbered year, but biologists found that the Fraser River and Puget Sound runs were poor. Sport and commercial fishing were sharply restricted during the peak of the runs to allow the necessary escapement of spawners. The catch of chinook salmon (7.1 million pounds) was nearly 1.0 million more than in 1968. Compared with 1968, however, landings of chum salmon

(2.1 million pounds) declined 61 percent and silver salmon (7.1 million) declined 18 percent. Hatchery fish contributed significantly to the catch of silver salmon because the natural runs were poor in all areas except the Washington Coast.

The California salmon catch was 6.2 million pounds worth \$3.8 million--a decline of 12 percent in volume and 4 percent in value compared with 1968.

Halibut. Landings by the combined United States and Canadian halibut fleets were 58.6 million pounds (dressed weight)--9.7 million more than in 1968 and the best harvest since 1966. For the second consecutive year, Canadian fishermen landed more halibut (57 percent of the catch) than United States fishermen.

U.S. Pacific halibut landings of 33.2 million pounds (round weight) worth \$8.9 million increased 7.5 million pounds (29 percent) and \$4.7 million (111 percent) compared with 1968. Alaska landings of 22.8 million pounds worth \$5.8 million accounted for 69 percent of the volume and 64 percent of the value of the U.S. halibut production. In 1969, Alaska fishermen received an average price of 25 cents per pound for halibut (round weight)--compared with 14 cents in 1968. One reason for the sharp price increase was the low inventory on hand at the beginning of the year (caused by the unusually small landings of 1968). Another reason was that Kodiak dealers based the prices they paid to fishermen at only 5 or 6 cents less per pound than the price prevailing in Seattle, Wash.,--unlike past years when the Kodiak price was set at about 10 to 12 cents less than the Seattle price. Other southeastern Alaska dealers, in turn, adjusted their prices to compete with Kodiak. Because of the new price structures and the port's proximity to the fishing grounds, Kodiak replaced Seattle in 1969 as the leading U.S. port for halibut landings. In Washington, landings of 10.3 million pounds brought fishermen an average price of 31 cents per pound (round weight)--compared with 19 cents in 1968. Factors favorable to the halibut market were the low cold storage inventories at the start of the season and a ruling by the U.S. Food and Drug Administration prohibiting use of the market name "Greenland halibut" for the species *Reinhardtius*, also known as Greenland turbot.

Anchovies. California landings of anchovies (used principally for meal and oil) were a record 135.3 million pounds--104.2 million more than in 1968, and 49.4 million pounds more than in 1953, the former record year. The excellent harvest reflected greater fishing effort: (1) The fishing began promptly on the season's opening date (for the first time in 5 years), (2) a preseason price agreement between plant operators and vessel owners prevented a price dispute and work stoppage, and (3) the number of licensed anchovy vessels increased substantially in the 1968-69 season. The California Fish and Game Commission approved a quota of 75,000 short tons--the same as in the previous four seasons.

Prices of anchovy meal were generally steady during the first months of 1969. In May, however, prices increased sharply and by November reached a record of \$2.95 per unit of protein (\$177 per short ton). The record prices received for anchovy meal produced in California were caused principally by a short supply of Peruvian meal at Los Angeles.

Mackerel fishery. In California, the only Pacific Coast State with a mackerel fishery, the combined landings of Pacific and jack mackerel were 54.3 million pounds--a decline of 4.5 million compared with 1968. Jack mackerel landings (51.9 million pounds) were 7 percent less than in 1968; Pacific mackerel landings (2.4 million pounds) declined 25 percent. For the second consecutive year, fishing time was lost because of exvessel price disputes. Mackerel appeared in abundance on fishing grounds off the coast of southern California early in 1969, but considerable fishing effort was lost because of high winds and choppy seas. In November and December, most of the mackerel fleet entered the anchovy fishery. The exvessel price for Pacific and jack mackerel has been \$75 per short ton since 1966.

PACIFIC COAST FISHERIES

Bonito. The catch of 17.2 million pounds increased 2.3 million compared with 1968 but was considerably less than the record 21.2 million pounds taken in 1967. Tuna-mackerel seiners operating in the bonito fishery made sizable catches in southern California waters during most of July and August. The fish were of good size--weighing about 8 or 9 pounds each. In 1969, fishermen received $85 per ton for bonito weighing less than 4 pounds and $100 per ton for fish weighing more than 4 pounds. Fishermen benefited from this pricing compared with 1968 when bonito brought a straight price of $85 per ton, with no size grading.

Hake. Seven vessels fished for hake in Puget Sound and caught 8.5 million pounds--a decline of two vessels and nearly 1.0 million pounds compared with 1968. The fish were used fresh or frozen for animal food, canned for pet food, or used for reduction into fish meal. As in 1968, there was no commercial fishery for hake in coastal waters.

Pacific sardines. In 1936, the Pacific sardine fishery led all U.S. fisheries with a harvest of 1.5 billion pounds, but landings in 1969 were only 105,000 pounds--the smallest catch on record. The sardine seemed on the way to extinction until the California Legislature enacted a law in 1967 providing for a 2-year moratorium on sardine fishing in California waters. (The law, however, permitted a 15-percent tolerance for sardines taken incidentally with other fish.) In 1969, the Legislature continued the moratorium on sardine fishing and other provisions of the bill indefinitely.

Shrimp. The catch was a record 62.5 million pounds (heads-on) worth a record $3.7 million--a gain of 6.1 million pounds and $312,000 compared with 1968. Landings increased in all States except Oregon where a harvest of 10.3 million pounds was only 5 percent less than in 1968, the record year. In Alaska, where the catch has trended upward for the last 5 years, the record production of 47.9 million pounds was 5.8 million more than in 1968. Some fishermen left the declining king crab fishery to enter the shrimp fishery. Landings in Washington (1.4 million pounds) increased 22 percent and in California (3.0 million pounds) 29 percent compared with 1968.

A vast Alaska resource of shrimp is known to exist but has remained largely undeveloped. In 1969, a new 86-foot steel double trawl shrimp vessel, built in Alabama, fished out of Kodiak, Alaska, with considerable success. The Alaska shrimp fishery appeared to be a possible resource also for using the manpower, vessels, and shore equipment idled in 1969 because king crabs were scarce. The industry in Alaska continued experiments to find the best methods to harvest and process shrimp.

King crabs. The catch of 57.7 million pounds worth $15.6 million was 24.3 million pounds and $6.2 million less than in 1968. King crab landings have declined sharply since the record 159.2-million-pound harvest taken in 1966. The Kodiak area, which yielded 90.7 million pounds in that year, accounted for only 12.7 million in 1969. Also, the Southern Peninsula with landings of 22.5 million pounds in 1966 produced only 4.3 million in 1969; and the Eastern Aleutians with 31.5 million in 1966 had only 7.8 million pounds in 1969. Fishermen travelled farther in search of king crabs in 1969 and took greater catches from the Western Aleutians and Bering Sea areas than in 1966.

Because biologists attributed the sharp catch decline to overfishing, the Alaska Board of Fish and Game limited the season to 6 months beginning in 1968. Following this policy, the State Department of Fish and Game set February 15, 1969, as the date when king crab fishing would end in all regulatory areas of Alaska--except the Bering Sea. The fishing season did not resume until August 1 in southeastern Alaska and August 15 in all other areas.

Dungeness crabs. The catch of 48.1 million pounds was second only to the record 50.0 million taken in 1968. Landings in Alaska (11.3 million pounds) and Oregon (9.8 million) were slightly less than in 1968, but the California catch (7.9 million pounds) declined 50 percent. In Washington, the near-record production of 19.0 million pounds increased 9.7 million compared with 1968. Landings would have been greater if the coastal crab fishery had been opened for the December season.

State officials had found, however, that the crabs were in poor condition (yielding less than 15 percent meats from test catches) when the new season was scheduled to open in December. For this reason they ordered the crab fishery to remain closed throughout the month. A marked increase occurred in the Washington and Oregon crab pot fishery. In Washington, nearly 30,000 crab pots were operated by 99 vessels and 67 motor boats--compared with 23,354 pots, 75 vessels, and 74 motor boats in 1968. In Oregon, 44,900 crab pots were operated by 147 vessels and 43 motor boats--compared with 29,355 pots, 118 vessels, and 49 motor boats in 1968.

The value of the Dungeness crab catch was a record $11.0 million--a gain of $1.8 million compared with 1968, the former record year. The average price per pound received by fishermen increased in all States. The greatest gain was in Oregon where the average price per pound was 27.1 cents in 1969--compared with 19.5 cents in 1968. The average price per pound in California (28.9 cents) was 6.8 cents more than in 1968, and in Washington (23.5 cents) it increased 5.2 cents. The Alaska catch brought an average of 14.3 cents per pound--almost 1 cent more than in the previous year.

Snow crabs. Landings of a record 11.2 million pounds worth a record $1.1 million were 8.0 million pounds and $809,000 more than in 1968. The decline of the king crab fishery was the principal reason for the marked increased in the harvest of snow crabs, a species known to be plentiful in Alaska waters. Packers turned to the snow crab as an acceptable substitute for king crabs in the profitable crab market. The canned pack of snow crabs in 1969 was a record 29,000 cases worth $1.7 million.

Sea scallops. Alaska landings of sea scallop meats were 1.9 million pounds--compared with 1.7 million in 1968. When the Alaska commercial sea scallop fishery began in 1967 with a catch of 800 pounds of meats, the prospects appeared to be excellent that it might develop into a major industry. In 1969, however, nine New England scallop draggers and a few West Coast vessels, converted for scalloping, fished in southeastern Alaska waters but found the fishing poor. By the end of the year, the future of the fishery did not seem too promising as only two scallopers were fishing and the fishermen reported that the limited stocks in southeastern Alaska would be quickly depleted if a fleet of draggers concentrated there.

Regulations. The Alaska Department of Fish and Game prohibited an open season in 1969 for harvesting herring-egg-on-kelp--for the reason that the herring egg deposit on the commercially desirable kelp was too limited to warrant an open season. In 1966, this fishery, centered at Craig, Hydaburg, and Sitka in southeastern Alaska, produced 662,000 pounds worth $496,500 in a fishing season that lasted only a few hours. In 1967, the harvest was 399,600 pounds worth $488,700; and in 1968, it was 126,300 pounds worth $157,900. The 1968 season was limited to less than one hour. Only a small amount (15,500 pounds worth $22,300) was taken in 1969.

Legislation. The Alaska Legislature, in the Fish and Game Code enacted in 1964, prohibited shipment of live crabs from Alaska. The purpose was to foster employment in the processing plants of Alaska and to prevent vessels with tanks from transporting live crabs to Seattle, Wash., for processing. In 1969, however, the Legislature amended that part of the Alaska Fish and Game code to permit live shipment of king, snow, and Dungeness crabs--provided that the live shipment is by air freight after prepacking in Alaska. The live air shipment should prove to be profitable--especially in extending the market for prime Dungeness crabs.

In 1969, the Alaska Legislature enacted a law establishing the "Commission for Ocean Advancement through Science and Technology." Composed of 10 members, the Commission's purpose is to investigate and study all aspects of the marine and coastal environment of the State.

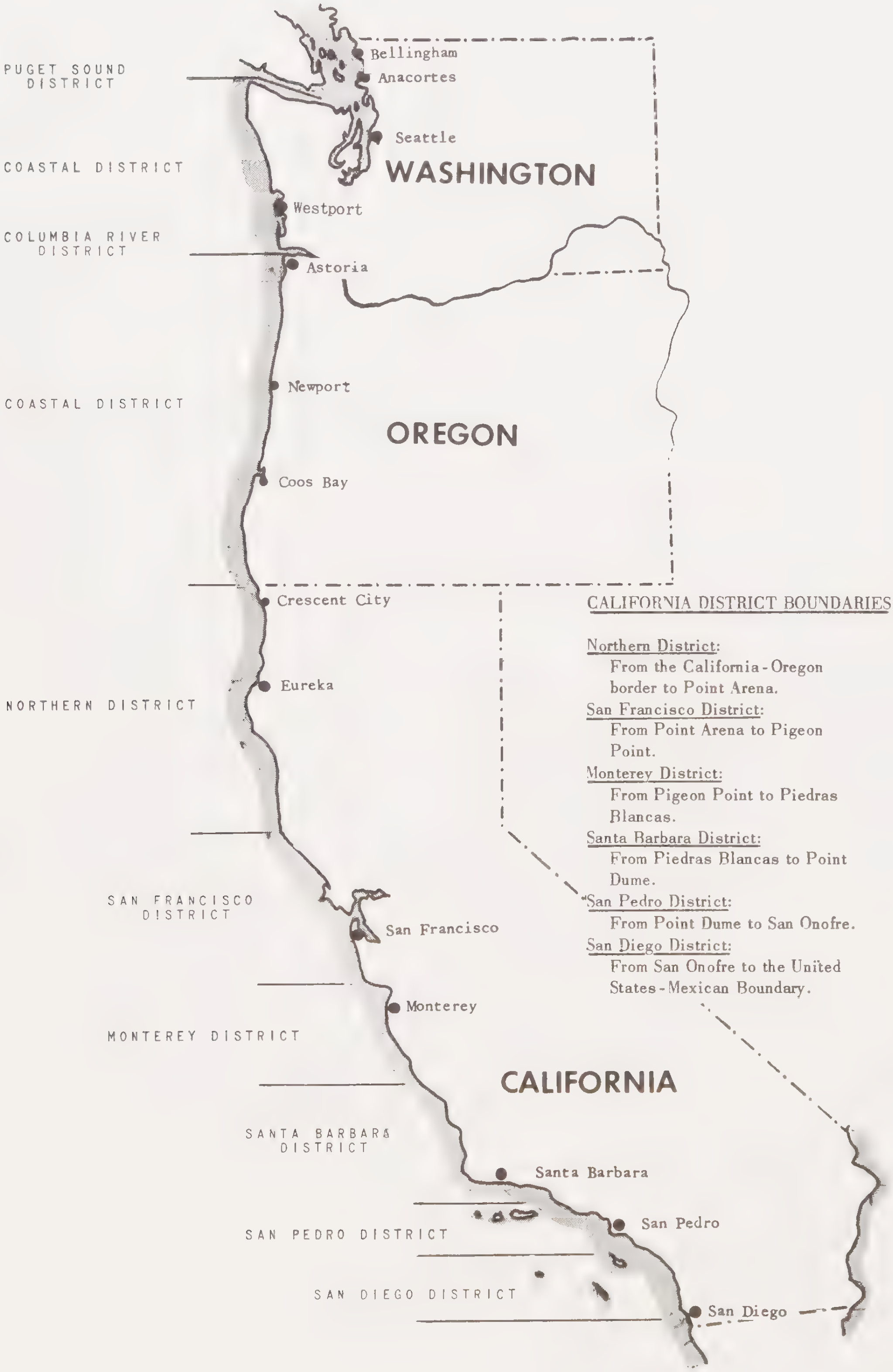
High-seas fishery. Pacific Coast fishermen landed 314.2 million pounds of fish taken on the high seas off coast of foreign countries--26 percent of the total Pacific coast catch. The tuna catch taken off Central and South America (265.2 million pounds) was 9.1 million more than in 1968; it was 71 percent of the total U.S. landings off foreign coasts and 84 percent of the Pacific catch off foreign coasts.

Other information. Additional data on many aspects of the Pacific Coast Fisheries appear in daily, monthly, and annual reports published by the BCF's Fishery Market News offices in Terminal Island, Calif., and Seattle, Wash.

Acknowledgments. The following organizations helped collect the data appearing in this section: Alaska Department of Fish and Game; Washington Department of Fisheries; Oregon Fish Commission; and California Department of Fish and Game.

PACIFIC COAST FISHERIES

PACIFIC COAST STATES - Continued


PUGET SOUND DISTRICT
Bellingham
Anacortes
Seattle
WASHINGTON
COASTAL DISTRICT
Westport
COLUMBIA RIVER DISTRICT
Astoria
Newport
COASTAL DISTRICT
OREGON
Coos Bay
Crescent City
Eureka
NORTHERN DISTRICT
SAN FRANCISCO DISTRICT
San Francisco
Monterey
MONTEREY DISTRICT
CALIFORNIA
SANTA BARBARA DISTRICT
Santa Barbara
San Pedro
SAN PEDRO DISTRICT
SAN DIEGO DISTRICT
San Diego

CALIFORNIA DISTRICT BOUNDARIES

Northern District:
From the California-Oregon border to Point Arena.

San Francisco District:
From Point Arena to Pigeon Point.

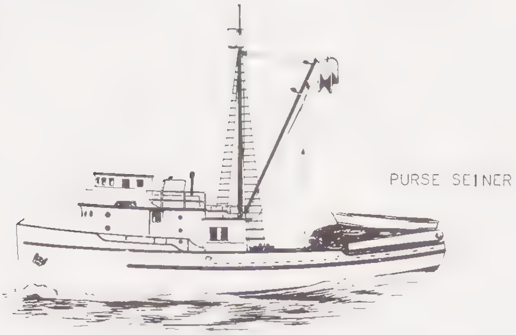
Monterey District:
From Pigeon Point to Piedras Blancas.

Santa Barbara District:
From Piedras Blancas to Point Dume.

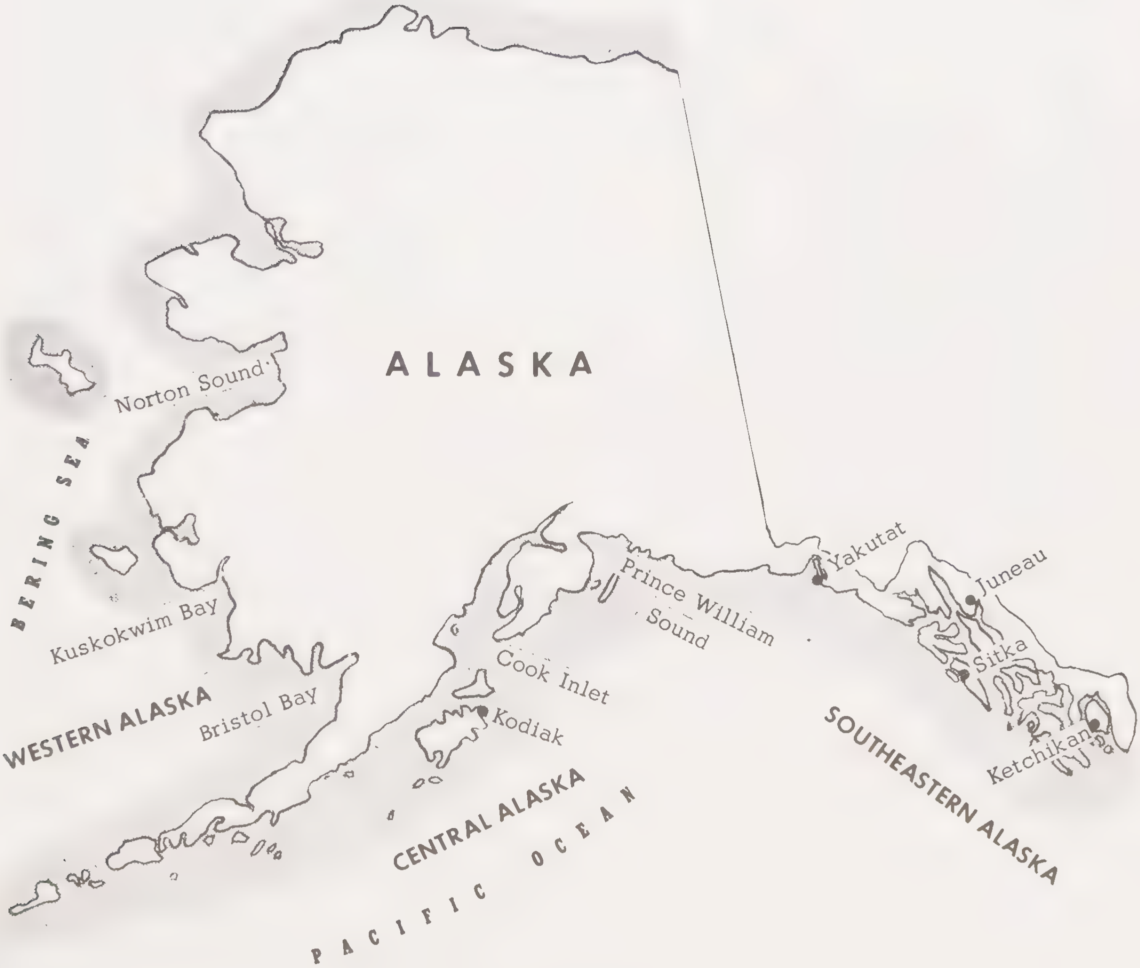
San Pedro District:
From Point Dume to San Onofre.

San Diego District:
From San Onofre to the United States-Mexican Boundary.

PACIFIC COAST FISHERIES


PURSE SEINER

PACIFIC COAST STATES


ALASKA
Norton Sound
BERING SEA
Kuskokwim Bay
WESTERN ALASKA
Bristol Bay
Cook Inlet
Kodiak
CENTRAL ALASKA
PACIFIC OCEAN
Prince William Sound
Yakutat
Juneau
Sitka
Ketchikan
SOUTHEASTERN ALASKA

PACIFIC COAST FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(MILLIONS OF POUNDS AND MILLIONS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		WHALE PRODUCTS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALASKA	256	49	130	22	-	-	386	70
WASHINGTON	117	20	27	7	-	-	144	27
OREGON	67	13	21	4	-	-	87	17
CALIFORNIA	540	57	34	5	5	(1)	579	63
TOTAL	980	139	211	38	5	(1)	1,196	177

1/ LESS THAN $500,000.
NOTE:--TABLE MAY NOT ADD DUE TO ROUNDING.

SUMMARY OF OPERATING UNITS, 1969

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	7,412	4,510	2,646	6,890	17,759
ON BOATS AND SHORE	11,213	4,908	2,032	4,217	22,268
TOTAL	18,625	9,410	4,678	11,107	40,027
VESSELS, MOTOR	1,974	1,505	1,093	1,914	5,144
GROSS TONNAGE	58,061	37,257	28,569	92,858	178,520
BOATS:					
MOTOR	9,953	3,506	1,706	2,343	17,424
OTHER	-	275	16	-	291
GEAR:					
HAUL SEINES	37	136	3	5	181
LENGTH, YARDS	12,200	12,600	300	2,000	27,100
PURSE SEINES AND LAMPARA NETS:					
ANCHOVY	-	-	-	25	25
LENGTH, YARDS	-	-	-	11,240	11,240
HERRING	31	6	-	-	37
LENGTH, YARDS	13,060	1,725	-	-	14,785
MACKEREL AND SARDINE	-	-	-	59	59
LENGTH, YARDS	-	-	-	31,450	31,450
SALMON	1,195	317	-	-	1,385
LENGTH, YARDS	472,718	169,965	-	-	583,283
SQUID	-	-	-	12	12
LENGTH, YARDS	-	-	-	4,885	4,885
TUNA	-	-	1	131	132
LENGTH, YARDS	-	-	1,200	105,100	106,300
OTHER	-	-	-	27	27
LENGTH, YARDS	-	-	-	13,010	13,010
BEAM TRAWLS:					
SHRIMP	13	5	-	-	18
YARDS AT MOUTH	142	37	-	-	174
OTHER	-	1	-	-	1
YARDS AT MOUTH	-	5	-	-	5
OTTER TRAWLS:					
FISH	4	98	53	91	224
YARDS AT MOUTH	60	2,247	1,204	2,457	5,400
SHRIMP	33	17	56	39	122
YARDS AT MOUTH	475	304	1,042	585	2,032
MID-WATER TRAWLS	-	7	-	-	7
YARDS AT MOUTH	-	231	-	-	231
BRUSH WEIRS	-	1	-	-	1
POUND NETS	-	4	-	-	4
FLOATING TRAPS	4	-	-	-	4
POTS AND TRAPS:					
CRAB:					
DUNGENESS	12,367	29,950	44,900	44,514	122,440
KING	33,161	-	-	-	33,161
OTHER	17,996	-	-	-	17,996
CRAWFISH	-	175	250	-	425
FISH	-	40	-	390	430
LOBSTER, SPINY	-	-	-	19,440	19,440
OCTOPUS	-	150	-	65	215
SHRIMP	490	100	-	35	625
GILL NETS:					
ANCHOR, SET OR STAKE:					
SALMON	2,459	324	85	-	2,868
SQUARE YARDS	1,597,491	100,000	35,000	-	1,732,491

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
GEAR - CONTINUED:					
GILL NETS - CONTINUED:					
ANCHOR, SET OR STAKE - CONTINUED:					
OTHER	-	-	84	-	84
SQUARE YARDS	-	-	21,000	-	21,000
DRIFT:					
BARRACUDA	-	-	-	10	10
SQUARE YARDS	-	-	-	35,000	35,000
SALMON	4,284	1,396	540	-	6,158
SQUARE YARDS	2,875,077	7,505,500	1,650,000	-	11,933,326
SEA BASS	-	-	-	42	42
SQUARE YARDS	-	-	-	146,000	146,000
SHAD	-	-	42	-	42
SQUARE YARDS	-	-	84,000	-	84,000
OTHER	-	10	25	40	75
SQUARE YARDS	-	9,000	22,000	136,000	167,000
TRAMMEL NETS	-	-	-	17	17
SQUARE YARDS	-	-	-	85,000	85,000
LINES:					
HAND:					
ROCKFISHES	-	22	-	501	523
HOOKS	-	44	-	1,002	1,046
TUNA:					
ALBACORE	-	67	223	542	660
HOOKS	-	67	223	542	660
YELLOWFIN AND SKIPJACK	-	-	13	375	375
HOOKS	-	-	13	375	375
OTHER	-	-	-	228	228
HOOKS	-	-	-	456	456
TROLL:					
ALBACORE	-	2,207	7,065	15,003	19,380
HOOKS	-	2,207	7,065	15,003	19,380
SALMON	10,468	9,286	7,236	15,018	38,418
HOOKS	58,968	38,146	31,302	60,072	172,746
OTHER	-	38	-	216	254
HOOKS	-	76	-	216	292
LONG OR SET WITH HOOKS	13,228	2,527	193	1,160	15,684
HOOKS	1,124,135	225,800	18,520	116,000	1,357,140
DIP NETS, COMMON	-	142	30	-	172
BRAIL OR SCOOP NETS	-	-	-	95	95
REEF NETS	-	63	-	-	63
WHEELS	8	-	-	-	8
HARPOONS:					
SWORDFISH	-	-	-	56	56
WHALE	-	-	-	3	3
OTHER	-	-	-	6	6
DREDGES:					
CLAM	-	3	-	-	3
YARDS AT MOUTH	-	3	-	-	3
OYSTER:					
COMMON	-	62	6	4	72
YARDS AT MOUTH	-	124	12	4	140
SUCTION	-	2	-	1	3
SCALLOP	18	-	-	-	18
YARDS AT MOUTH	134	-	-	-	134
TONGS, OYSTER	-	-	-	36	36
SHOVELS	31	380	125	-	536
DIVING OUTFITS, ABALONE	-	-	-	249	249

PACIFIC COAST FISHERIES

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA		WASHINGTON		OREGON	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
FISH						
ANCHOVIES	-	-	357	10	-	-
ARCTIC CHAR	7	1	-	-	-	-
CARP	-	-	1,261	7	-	-
COD	49	6	3,801	226	50	3
FLOUNDERS:						
"SOLE"	-	-	9,244	708	13,410	963
UNCLASSIFIED	15	1	674	34	460	18
HAKE	-	-	8,529	68	-	-
HALIBUT	22,808	5,756	10,250	3,144	147	37
HERRING, SEA	13,131	257	8,297	285	84	13
LAKE TROUT	19	4	-	-	-	-
LINGCOD	33	5	3,879	230	1,291	71
OCEAN PERCH	-	-	12,352	698	944	47
PERCH	-	-	245	33	1	(2)
PIKE OR PICKEREL	1	(2)	-	-	-	-
POLLOCK	-	-	558	10	-	-
RATFISH	-	-	1,053	8	-	-
ROCKFISHES	43	4	17,666	1,001	6,060	313
SABLEFISH	666	65	454	57	813	89
SALMON:						
CHINOOK OR KING	10,746	3,506	7,131	3,587	5,235	2,175
CHUM OR KETA	22,668	2,934	2,145	624	3	1
PINK	105,967	15,712	5,948	1,115	299	65
RED OR SOCKEYE	71,735	18,046	9,638	4,156	71	28
SILVER OR COHO	8,034	2,230	7,116	2,921	4,941	1,952
TOTAL SALMON	219,150	42,428	31,978	12,403	10,549	4,221
SCULPIN	3	(2)	-	-	-	-
SHAD	-	-	57	3	553	70
SHARKS:						
GRAYFISH	-	-	600	4	55	1
SOUPFIN	-	-	13	(2)	-	-
TOTAL SHARKS	-	-	613	4	55	1
SHEEFISH	7	1	-	-	-	-
SKATES	-	-	266	3	274	7
SMELT:						
EULACHON	16	2	1,043	108	57	12
SURF OR SILVER	-	-	188	21	6	1
STEELHEAD TROUT	31	7	266	86	363	119
STRIPED BASS	-	-	-	-	59	6
STURGEON, COMMON	-	-	351	45	283	47
SUCKERS	-	-	7	(2)	-	-
TOMCOD	-	-	215	3	-	-
TUNA:						
ALBACORE	-	-	3,561	766	29,828	6,615
SKIPJACK	-	-	-	-	112	16
YELLOWFIN	-	-	-	-	1,259	209
TOTAL TUNA	-	-	3,561	766	31,199	6,840
WHITEFISH	30	2	-	-	-	-
TOTAL FISH	256,009	48,539	117,165	19,961	66,658	12,878
SHELLFISH, ETC.						
CRABS:						
DUNGENESS	11,304	1,620	19,028	4,477	9,784	2,655
KING	57,730	15,644	-	-	-	-
SNOW	11,207	1,133	-	-	-	-
TOTAL CRABS	80,241	18,397	19,028	4,477	9,784	2,655
CRAWFISH, FRESH-WATER	-	-	6	3	5	3
SHRIMP	47,851	1,909	1,447	168	10,268	1,243
CLAMS:						
HARD	-	-	445	213	-	-
RAZOR	86	25	106	101	11	14
MIXED	-	-	11	3	4	4
TOTAL CLAMS	86	25	562	317	15	18

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA		WASHINGTON		OREGON	
SHELLFISH, ETC. - CONTINUED	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OCTOPUS	-	-	29	3	1	(2)
OYSTERS, MARKET:						
PACIFIC	-	-	5,723	2,083	497	197
WESTERN	-	-	38	115	2	5
TOTAL OYSTERS	-	-	5,761	2,198	499	202
SCALLOPS, SEA	1,888	1,542	14	11	-	-
SQUID	-	-	( )	)	-	-
KELP (WITH HERRING EGGS)	15	23	-	-	-	-
TOTAL SHELLFISH, ETC.	130,081	21,896	26,847	7,177	20,572	4,121
GRAND TOTAL	386,090	70,435	144,012	27,138	87,230	16,999

SPECIES	CALIFORNIA 1/		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE
ANCHOVIES	135,278	1,353	135,635	1,363
ARCTIC CHAR	-	-	7	1
BARRACUDA	75	17	75	17
BONITO	17,202	805	17,202	805
CABEZONE	26	1	26	1
CARBILLA	6	1	6	1
CARP	298	21	1,559	28
COD	-	-	3,900	235
FLOUNDERS:				
ARROWTOOTH HALIBUT	10	1	10	1
CALIFORNIA HALIBUT	3/ 274	3/ 85	274	85
SAND DABS	697	65	697	65
"SOLE"	22,070	1,917	44,724	3,588
UNCLASSIFIED	3/ 375	3/ 23	1,524	76
FLYING FISH	100	15	100	15
GROUPER	255	62	255	62
HAKE	27	1	8,556	69
HALFMOON	27	6	27	6
HALIBUT	-	-	33,205	8,937
HARDHEAD	10	2	10	2
HERRING, SEA	170	16	21,682	571
JACK MACKEREL	51,921	1,967	51,921	1,967
KING CROAKER	526	41	526	41
LAKE TROUT	-	-	19	4
LINGCOD	1,113	102	6,316	408
MACKEREL, PACIFIC	2,357	122	2,357	122
OCEAN PERCH	-	-	13,296	745
OPALEYE	16	3	16	3
PERCH	156	36	402	69
PIKE OR PICKEREL	-	-	1	(2)
POLLOCK	-	-	558	10
POMPANO	217	47	217	47
RATFISH	-	-	1,053	8
ROCKFISHES	9,227	694	32,996	2,012
SABLEFISH	4,157	310	6,090	521
SALMON:				
CHINOOK OR KING	4,916	3,260	28,028	12,528
CHUM OR KETA	-	-	24,816	3,559
PINK	-	-	112,214	16,892
RED OR SOCKEYE	-	-	81,444	22,230
SILVER OR COHO	1,235	583	21,326	7,686
TOTAL SALMON	6,151	3,843	267,828	62,895
SARDINE, PACIFIC	105	14	105	14
SCULPIN	116	33	119	33
SEA BASS:				
BLACK	155	30	155	30
WHITE	1,099	351	1,099	351
SHAD	-	-	610	73
SHARKS:				
GRAYFISH	-	-	655	5
SOUPFIN	-	-	13	(2)
UNCLASSIFIED	478	52	478	52
TOTAL SHARKS	478	52	1,146	57

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	CALIFORNIA 1/		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
FISH - CONTINUED				
SHEEFISH	-	-	7	1
SHEEPSHEAD	13	1	13	1
SKATES	106	1	646	11
SMELT:				
EULACHON	-	-	1,116	122
SURF OR SILVER	414	30	608	52
STEELHEAD TROUT	-	-	680	212
STRIPED BASS	-	-	39	6
STURGEON, COMMON	-	-	634	92
SUCKERS	-	-	7	(2)
SWORDFISH	1,032	511	1,032	511
TOMCOD	-	-	215	3
TUNA:				
ALBACORE	14,722	3,136	48,111	10,517
BLUEFIN	15,235	2,405	15,235	2,405
SKIPJACK	45,914	6,160	46,026	6,176
YELLOWFIN	204,392	32,993	205,651	33,202
TOTAL TUNA	280,263	44,694	315,023	52,300
TURBOT	25	1	25	1
WHITEBAIT	161	16	161	16
WHITEFISH	4	1	34	3
YELLOWTAIL	234	29	234	29
UNCLASSIFIED:				
FOR FOOD	260	78	260	78
FOR BAIT AND ANIMAL FOOD	2,659	55	2,659	55
TOTAL FISH	539,865	57,453	979,697	138,831
SHELLFISH, ETC.				
CRABS:				
DUNGENESS	7,939	2,295	48,055	11,047
KING	-	-	57,730	15,644
ROCK	500	55	500	55
SNOW	-	-	11,207	1,133
TOTAL CRABS	8,439	2,350	117,492	27,879
CRAWFISH, FRESH-WATER	-	-	11	6
LOBSTER, SPINY	309	347	309	347
SHRIMP	2,961	419	62,527	3,739
ABALONE	732	1,161	732	1,161
CLAMS:				
HARD	-	-	445	213
RAZOR	-	-	203	140
MIXED	-	-	15	7
TOTAL CLAMS	-	-	663	360
OCTOPUS	5	(2)	35	3
OYSTERS, MARKET:				
EASTERN	17	50	17	50
PACIFIC	696	162	6,916	2,442
WESTERN	-	-	40	120
TOTAL OYSTERS	713	212	6,973	2,612
SCALLOPS, SEA	-	-	1,902	1,553
SQUID	20,779	555	20,779	555
MOLLUSKS, UNCLASSIFIED	6	19	6	19
KELP (WITH HERRING EGGS)	-	-	15	23
TOTAL SHELLFISH, ETC.	33,944	5,063	211,444	38,257
WHALE PRODUCTS				
MEAL	1,689	101	1,689	101
MEAT	1,368	123	1,368	123
OIL:				
SPERM	409	25	409	25
WHALE	1,327	79	1,327	79
TOTAL WHALE PRODUCTS	4,793	328	4,793	328
GRAND TOTAL	578,602	62,844	1,195,934	177,416

1/ INCLUDES THE CATCH TAKEN OFF LATIN AMERICA AND LANDED AT CALIFORNIA PORTS.

2/ LESS THAN 500 POUNDS OR $500.

3/ SOME HALIBUT MAY BE INCLUDED WITH "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS".

NOTE:--CATCH STATISTICS FOR ALASKA, WASHINGTON, AND OREGON ARE SHOWN IN ROUND WEIGHT, WHILE THOSE FOR CALIFORNIA ARE SHOWN IN WEIGHTS AS LANDED, EXCEPT FOR SHELL MOLLUSKS. IN ALL STATES, CLAMS, OYSTERS, AND SCALLOPS ARE REPORTED IN WEIGHT OF TOTAL MEATS; ABALONE, IN WEIGHT OF EDIBLE MEATS. ALASKA DATA INCLUDE THE CATCH OF HALIBUT, SABLEFISH, AND ROCKFISHES LANDED BY U.S. VESSELS AT BRITISH COLUMBIA PORTS.

PROCESSED FISHERY PRODUCTS, 1969

ITEM		ALASKA		WASHINGTON	
		QUANTITY	VALUE	QUANTITY	VALUE
CHAR, ARCTIC, CANNED (SMOKED)	STANDARD CASES	14	$1,260	-	-
COD:					
FILLETS, FRESH AND FROZEN	POUNDS	-	-	1 111 976	$330 386
LUTEFISK	DO	-	-	(1)	(1)
FLOUNDER FILLETS, FRESH AND FROZEN	DO	-	-	3 050 710	1 602,981
HAKE, MEAL AND SCRAP	TONS	-	-	(1)	(1)
HALIBUT:					
FRESH AND FROZEN:					
FILLETS	POUNDS	-	-	461 980	379 160
STEAKS	DO	-	-	5,250 150	3 667,255
CHEEKS AND FLETCHES	DO	839,982	898,548	-	-
SMOKED	DO	-	-	295,550	142,892
HERRING, SEA:					
FROZEN, FOR BAIT	DO	5,542,420	247,034	-	-
SALTED:					
FISH	DO	1,703,305	85,165	-	-
ROE	DO	200,475	323,306	-	-
EGGS WITH KELP	DO	14,587	22,317	-	-
MEAL AND SCRAP	TONS	71	11,356	(1)	(1)
OIL	1,000 POUNDS	-	-	(1)	(1)
LINGCOD FILLETS, FRESH AND FROZEN	POUNDS	-	-	1,463,292	428,643
OCEAN PERCH FILLETS, FRESH AND FROZEN	DO	-	-	4,553,820	1,335,608
ROCKFISH FILLETS, FRESH AND FROZEN	DO	-	-	6,052,570	1,746,933
SABLEFISH:					
FILLETS AND STEAKS, FRESH AND FROZEN	DO	-	-	(3)	(3)
SALTED	DO	-	-	(1)	(1)
SMOKED	DO	1,728	631	127,742	79,357
SALMON:					
FRESH AND FROZEN:					
FOR BAIT	DO	156,384	3,518	-	-
FILLETS	DO	-	-	572,892	630,316
STEAKS	DO	-	-	759 500	761 350
EGGS FOR BAIT	DO	378,080	86,686	-	-
CANNED:					
CHINOOK OR KING	STANDARD CASES	32,788	1,374,800	9,729	351 700
CHUM OR KETA	DO	210,229	5,760,273	1,516	45,006
PINK	DO	1,185,593	37,735,012	68,697	2 544 676
RED OR SOCKEYE	DO	766,101	29,551,933	106,498	5,817 011
SILVER OR COHO	DO	88,457	3,313,186	17,007	695,449
TOTAL	DO	2 283,168	77 735 204	203,447	9,453,842
SMOKED	DO	702	63 935	1,125	113 742
EGGS FOR BAIT	DO		-	(1)	(1)
SPECIALTIES (PASTE)	DO		-	(1)	(1)
SALTED:					
SALTED AND PICKLED	POUNDS	1,753 222	642 574	(1)	(1)
MILD CURED	DO	1,051,310	1,016 022	1,141 931	1 234 491
CAVIAR	DO	5,940,758	5,902 644	306 653	458 095
BELLIES	DO	-	-	(1)	(1)
EGGS FOR BAIT	DO	-	-	(1)	(1)
SMOKED	DO	7,051	13,691	682 105	616 647
SHAD, CANNED:					
FISH	STANDARD CASES	-	-	615	5,832
ROE	DO	-	-	615	73 164
SPECIALTIES (SMOKED)	DO	-	-	(1)	(1)
SHEEFISH, CANNED (SMOKED)	DO	6	495	-	-
STURGEON:					
CANNED (SMOKED)	STANDARD CASES	-	-	220	14,171
SMOKED	POUNDS	-	-	(1)	(1)
SWORDFISH FILLETS AND STEAKS, FRESH AND FROZEN	DO	-	-	915 581	767,165
TUNA, CANNED:					
ALBACORE	STANDARD CASES	-	-	190,166	2,483,421
LIGHT MEAT	DO	-	-	(5)	(5)
TOTAL	DO	-	-	190,166	2,483,421
SPECIALTIES (SMOKED, CREAMED, SPREADS AND WITH BEANS)	DO	-	-	39	2,864
ANIMAL FOOD	DO	-	-	(1)	(1)
CRABS:					
DUNGENESS:					
FRESH AND FROZEN:					
COOKED MEAT	POUNDS	78,906	134,047	1,980,392	3,269 543
SECTIONS	DO	2,242,909	1,023,581		

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		ALASKA		WASHINGTON	
		QUANTITY	VALUE	QUANTITY	VALUE
CRABS - CONTINUED:					
WHOLE COOKED	POUNDS	2,705,034	$1,347,315	-	-
CANNED:					
REGULAR.	STANDARD CASES	9,632	514,558	36,369	$1,499,111
SPECIALTIES (SMOKED AND COCKTAILS)	DO	-	-	(1)	(1)
MEAL AND SCRAP	TONS	-	-	(1)	(1)
KING:					
FRESH AND FROZEN:					
COOKED MEAT.	POUNDS	9,271,555	18 568,757	(1)	(1)
SECTIONS	DO	1,094,250	962 415	-	-
WHOLE COOKED	DO	1,101 964	1 128 602		
CANNED, REGULAR.	STANDARD CASES	69 518	5 922 250	-	
SNOW:					
FRESH AND FROZEN:					
COOKED MEAT.	POUNDS	523,796	543,508	-	
SECTIONS	DO	38,093	10,033		
WHOLE COOKED	DO	988,382	351 338	-	-
CANNED REGULAR	STANDARD CASES	29,026	1,718 963	-	-
SHRIMP:					
FRESH AND FROZEN:					
RAW HEADLESS	POUNDS	18,013	25,876	-	-
PEELED (INCLUDING DEVEINED):					
RAW.	DO	1,930,084	2,228,500	-	-
COOKED	DO	-	-	(1)	(1)
BREADED, RAW AND COOKED.	DO	-	-	(1)	(1)
COOKED, WHOLE.	DO	128,756	61,540	-	-
CANNED, REGULAR.	STANDARD CASES	881,617	5,589,912	(1)	(1)
CLAMS:					
HARD:					
SHUCKED, FRESH	GALLONS	-	-	(1)	(1)
CANNED:					
WHOLE AND MINCED	STANDARD CASES	-	-	(1)	(1)
CHOWDER AND JUICE.	DO	-	-	(1)	(1)
SPECIALTIES (IN SHELL, ETC.) .	DO	-	-	(1)	(1)
RAZOR:					
FRESH AND FROZEN:					
FOR BAIT	POUNDS	50,590	23,285	-	-
SHUCKED.	GALLONS	3,544	10,570	2,796	37,963
CANNED:					
WHOLE AND MINCED	STANDARD CASES	210	5,547	1 236	47,367
SPECIALTIES (SMOKED)	DO	-	-	(1)	(1)
OYSTERS:					
FRESH AND FROZEN:					
SHUCKED:					
PACIFIC.	GALLONS	-	-	557,032	3,580,855
WESTERN.	DO	-	-	3,207	124,603
BREADED RAW, PACIFIC	POUNDS	-	-	(1)	(1)
CANNED:					
REGULAR.	STANDARD CASES	-	-	(1)	(1)
SMOKED	DO	-	-	281	33,670
SPECIALTIES (SOUPS, STEWS) . . .	DO	-	-	135 152	2,109,817
ANIMAL FOOD.	DO	-	-	(1)	(1)
SCALLOPS, SEA:					
SHUCKED, MEATS	POUNDS	1 398 978	2 594,619	-	
BREADED, RAW AND COOKED, FROZEN. .	DO	-	-	(1)	(1)
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED FISH:					
STICKS, BREADED:					
RAW.	DO	-	-	144 465	60 587
COOKED	DO	-	-	(1)	(1)
PORTIONS:					
RAW, BREADED	DO	-	-	205,152	84 740
BREADED AND COOKED	DO	-	-	(1)	(1)
FISH AND SHELLFISH	DO	-	-	902 762	725 260
CANNED:					
ANIMAL FOOD.	STANDARD CASES	-	-	145,444	1 252,196
OTHER FISH AND SHELLFISH	DO	-	-	91,378	2,338,124
CURED.	POUNDS	-	-	149,220	70,246
INDUSTRIAL	-	-	-	-	1,272,080
TOTAL	-	-	129,819,602	-	42,113,687

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
ANCHOVIES:					
FROZEN WHOLE, FOR BAIT	POUNDS	-	-	(1)	(1)
CANNED IN TOMATO SAUCE	STANDARD CASES	-	-	(1)	(1)
SALTED	POUNDS	-	-	(1)	(1)
MEAL AND SCRAP	TONS	-	-	11 436	$1,738,195
OIL.	1,000 POUNDS	-	-	4.861	207 416
BARRACUDA, SMOKED.	POUNDS	-	-	6.190	4 124
CATFISH, SMOKED.	DO	-	-	(1)	(1)
COD:					
FILLETS FRESH AND FROZEN.	DO	17.927	$5.219	(2)	(2)
SPECIALTIES, FROZEN (PATTIES, BREADED AND COOKED).	DO	-	-	(1)	(1)
SMOKED	DO	-	-	(1)	(1)
FLOUNDER:					
FILLETS, FRESH AND FROZEN.	DO	3.284,475	1,701,761	6,917,953	2,896,668
SPECIALTIES, FROZEN (PATTIES, BREADED AND COOKED, AND IN LEMON BUTTER SAUCE)	DO	-	-	(1)	(1)
HADDOCK, SPECIALTIES (PATTIES, BREADED AND COOKED).	DO	-	-	(1)	(1)
HALIBUT:					
FRESH AND FROZEN:					
FILLETS.	DO	-	-	(2)	(2)
STEAKS:					
NATURAL.	DO	(2)	(2)	1,162,826	805,288
BREADED AND COOKED	DO	-	-	(1)	(1)
SPECIALTIES, FROZEN (PUFFS, FISH AND CHIPS AND PATTIES BREADED, RAW AND COOKED).	DO	-	-	(1)	(1)
SMOKED	DO	-	-	167,702	123,870
SALTED	DO	-	-	(1)	(1)
HERRING, SEA, FROZEN:					
DRESSED.	DO	-	-	(1)	(1)
FOR BAIT	DO	-	-	(1)	(1)
LINGCOD:					
FILLETS; FRESH AND FROZEN.	DO	372,036	115,187	174 556	66,021
SMOKED	DO	-	-	(1)	(1)
MACKEREL:					
FRESH AND FROZEN:					
DRESSED.	DO	-	-	(1)	(1)
FOR BAIT	DO	-	-	(1)	(1)
FILLETS.	DO	-	-	(1)	(1)
CANNED:					
JACK (NATURAL AND IN TOMATO SAUCE)	STANDARD CASES	-	-	378.923	3.258.948
PACIFIC (NATURAL).	DO	-	-	6,723	57,773
ANIMAL FOOD.	DO	-	-	144.419	2.052 227
SMOKED	POUNDS	-	-	1 209	646
MEAL AND SCRAP	TONS	-	-	(1)	(1)
OIL.	1,000 POUNDS	-	-	(1)	(1)
MARLIN:					
CANNED (SMOKED).	STANDARD CASES	-	-	(1)	(1)
SMOKED	POUNDS	-	-	(1)	(1)
OCEAN PERCH:					
FILLETS, FRESH AND FROZEN.	DO	277.519	91 748	(2)	(2)
SPECIALTIES, FROZEN (PATTIES, BREADED AND COOKED).	DO	-	-	(1)	(1)
PERCH FILLETS FRESH AND FROZEN. . .	DO	-	-	434 026	170 457
ROCKFISH:					
FILLETS, FRESH AND FROZEN.	DO	1,406 854	443 347	3 611 857	1,237 550
SALTED	DO	-	-	(1)	(1)
SMOKED	DO	-	-	(1)	(1)
SABLEFISH:					
FILLETS AND STEAKS. FRESH AND FROZEN	DO	(3)	(3)	269,513	103,527
CANNED (SMOKED).	STANDARD CASES	(1)	(1)	-	-
SALTED	POUNDS	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	487,431	339 819
SALMON:					
FRESH AND FROZEN:					
FILLETS.	DO	-	-	(2)	(2)
STEAKS	DO	(2)	(2)	662.457	586,070
SPECIALTIES (CAKES, COOKED). . .	DO	-	-	(1)	(1)
CANNED:					
CHINOOK OR KING.	STANDARD CASES	26,931	1,306,959	(4)	(4)
CHUM OR KETA	DO	393	11,268	-	-
PINK	DO	7,160	266,704	-	-
RED OR SOCKEYE	DO	8,726	503,234	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
SALMON - CONTINUED:					
SILVER OR COHO	STANDARD CASES	18,102	$900,510	-	-
STEELHEAD	DO	2,994	108,245	-	-
TOTAL	DO	64,306	3.096,920	(4)	(4)
SMOKED	DO	276	22,394	(2)	(2)
SALTED:					
SALTED AND PICKLED	POUNDS	-	-	(1)	(1)
MILD CURED	DO	-	-	1,214,281	$1,214,900
CAVIAR	DO	(1)	(1)	-	-
SMOKED	DO	18,100	34,510	1,366,457	1.608.642
OIL	1,000 POUNDS	(1)	(1)	-	-
SARDINES, PACIFIC, SALTED	POUNDS	-	-	(1)	(1)
SEABASS:					
FILLETS AND STEAKS, FRESH AND FROZEN	DO	-	-	391.089	214,163
SMOKED	DO	-	-	1,874	1,634
SHAD:					
CANNED:					
FISH	STANDARD CASES	(2)	(2)	-	-
ROE	DO	(2)	(2)	(2)	(2)
SPECIALTIES (SMOKED)	DO	(1)	(1)	-	-
SMOKED	POUNDS	-	-	(1)	(1)
SHARK, SMOKED	DO	-	-	1 778	1 281
SMELT:					
FROZEN	DO	-	-	(1)	(1)
SALTED	DO	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	-	-
FREEZE-DRIED	DO	-	-	(1)	(1)
STURGEON:					
CANNED (SMOKED)	STANDARD CASES	260	21.947	-	-
SMOKED	POUNDS	(1)	(1)	(1)	-
SWORDFISH:					
FILLETS AND STEAKS, FRESH AND FROZEN	DO	-	-	(2)	(2)
SMOKED	DO	-	-	117 544	178 584
TUNA:					
STEAKS, FRESH	DO	-	-	(1)	(1)
CANNED:					
ALBACORE	STANDARD CASES	1,466,785	21,441,116	1,746,322	30,597,180
LIGHTMEAT	DO	(5)	(5)	7,243,772	105,769,286
TOTAL	DO	1,466,785	21,441,116	8,990,094	136,366,466
SPECIALTIES (SMOKED, CREAMED, SPREADS, AND WITH BEANS)	DO	(2)	(2)	41,019	833,117
ANIMAL FOOD	DO	(1)	(1)	1,652,944	19,677,606
SMOKED	POUNDS	(1)	(1)	265,277	324,068
MEAL AND SCRAP	TONS	-	-	(1)	(1)
OIL	1,000 POUNDS	-	-	(1)	(1)
SOLUBLES	TONS	-	-	(1)	(1)
TUNALIKE FISH (BONITO AND YELLOWTAIL):					
FILLETS, FRESH AND FROZEN	POUNDS	-	-	(1)	(1)
CANNED:					
REGULAR	STANDARD CASES	-	-	(1)	(1)
SPECIALTIES (SMOKED)	DO	-	-	(1)	(1)
SMOKED	POUNDS	-	-	73 324	50,904
WAHOO, SMOKED	DO	-	-	(1)	(1)
WHITEFISH, SMOKED	DO	-	-	(1)	(1)
WHITING, SMOKED	DO	-	-	(1)	(1)
CRABS:					
DUNGENESS:					
FRESH AND FROZEN:					
COOKED MEAT	DO	1,788 331	2 873 902	2,070 638	2 804 519
SPECIALTIES (COCKTAILS AND DIPS)	DO	-	-	536 255	600 888
CANNED:					
REGULAR	STANDARD CASES	6 445	270.320	(2)	(2)
SPECIALTIES (SMOKED AND COCKTAILS)	DO	(1)	(1)	-	-
MEAL AND SCRAP	TONS	(1)	(1)	-	-
KING, FRESH AND FROZEN, COOKED MEAT	POUNDS	-	-	(1)	(1)
LOBSTERS, SPINY, FROZEN:					
RAW:					
WHOLE	DO	-	-	(1)	(1)
TAILS	DO	-	-	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM		OREGON		CALIFORNIA	
		QUANTITY	VALUE	QUANTITY	VALUE
LOBSTERS - CONTINUED:					
SPECIALTIES (NEWBURG, COOKED) . .	POUNDS	-	-	(1)	(1)
SHRIMP:					
FRESH AND FROZEN:					
RAW HEADLESS.	DO	-	-	311,458	$366,583
FOR BAIT.	DO	-	-	(1)	(1)
PEELED (INCLUDING DEVEINED):					
RAW	DO	-	-	393,269	486,281
COOKED.	DO	1,878,927	$2,882,660	2,265,833	3,254,539
BREADED, RAW AND COOKED	DO	-	-	8,799,103	11,285,125
SPECIALTIES (COCKTAILS, REFRIGERATED, DIPS, NEWBURGS, CREOLES, ETC.).	DO	-	-	2,085,890	1,772,494
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
SPECIALTIES (COCKTAILS, AND PICKLED PRAWNS)	DO	(1)	(1)	-	-
SMOKED.	POUNDS	-	-	(1)	(1)
SUN-DRIED	DO	-	-	(1)	(1)
MEAL AND SCRAP.	TONS	(1)	(1)	-	-
ABALONE:					
STEAKS:					
FRESH AND FROZEN.	POUNDS	-	-	670,261	1,446,548
BREADED RAW, FROZEN	DO	-	-	(1)	(1)
SPECIALTIES, FROZEN (PATTIES, BREADED RAW).	DO	-	-	(1)	(1)
CANNED (NATURAL).	STANDARD CASES	-	-	(1)	(1)
CLAMS:					
HARD, CANNED, WHOLE AND MINCED. .	DO	-	-	(1)	(1)
RAZOR:					
FRESH AND FROZEN, SHUCKED . . .	GALLONS	(1)	(1)	-	-
CANNED:					
WHOLE AND MINCED.	STANDARD CASES	(2)	(2)	-	-
SPECIALTIES (SMOKED).	DO	(1)	(1)	-	-
OYSTERS:					
FRESH AND FROZEN:					
SHUCKED:					
EASTERN	GALLONS	-		(1)	(1)
PACIFIC	DO	129,285	729,645	82,936	380,726
WESTERN	DO	1,761	51,553	-	-
BREADED RAW, EASTERN.	POUNDS	-	-	306,582	261,406
CANNED:					
REGULAR	STANDARD CASES	(1)	(1)	-	-
SPECIALTIES (SOUPS, STEWS). . .	DO	(1)	(1)	-	-
SHELL, GRIT AND LIME.	TONS	(1)	(1)	-	-
SCALLOPS, SEA, BREADED, RAW AND COOKED, FROZEN.	POUNDS	-	-	1,136,869	1,522,484
SQUID:					
FROZEN:					
FOR BAIT.	DO	-	-	(1)	(1)
NATURAL	DO	-	-	9,607,423	1,044,039
CANNED.	STANDARD CASES	-	-	(1)	(1)
KELP:					
FRESH AND FROZEN WITH URCHIN ROE.	POUNDS	-	-	(1)	(1)
SALTED WITH ROE	DO	-	-	(1)	(1)
WHALE:					
MEAT, FROZEN.	DO	-	-	1,368,410	123,157
MEAL.	TONS	-	-	844	101,237
OIL:					
SPERM	1,000 POUNDS	-	-	409	25,187
OTHER	DO	-	-	1,327	78,702
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED FISH:					
STICKS, BREADED:					
RAW	POUNDS	-	-	632,623	288,684
COOKED.	DO	-	-	10,427,879	5,559,500
PORTIONS:					
RAW:					
NOT BREADED	DO	-	-	93,740	40,478
BREADED	DO	-	-	2,454,921	1,104,863
BREADED AND COOKED.	DO	-	-	1,696,604	914,758
FISH AND SHELLFISH.	DO	(6)	(6)	4,311,922	3,200,778
CANNED:					
ANIMAL FOOD	STANDARD CASES	397,917	3,177,478	426,130	2,544,644
OTHER FISH AND SHELLFISH. . . .	DO	91,448	729,817	490,953	3,479,099
CURED	POUNDS	31,425	47,668	125,935	966,515
INDUSTRIAL.	-	-	1,009,825	-	16,439,425
TOTAL.	-	-	38,816,4[illegible]	-	234,[illegible]

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 - Continued

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH
2/ THE PRODUCTION OF CERTAIN ITEMS IN OREGON AND CALIFORNIA HAS BEEN INCLUDED WITH WASHINGTON
3/ THE PRODUCTION OF SABLEFISH FILLETS AND STEAKS PRODUCED IN WASHINGTON AND OREGON HAS BEEN INCLUDED WITH CALIFORNIA.
4/ A SMALL PACK OF CANNED SALMON PRODUCED IN CALIFORNIA HAS BEEN INCLUDED WITH OREGON.
5/ THE PACK OF LIGHTMEAT TUNA HAS BEEN INCLUDED WITH ALBACORE.
6/ INCLUDED WITH CURED FISHERY PRODUCTS.

NOTE:--THIS TABLE WILL NOT ADD. INDIVIDUAL STATE TOTALS ARE CORRECT. SOME OF THE PRODUCTS HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR A FOREIGN COUNTRY: THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	25,549
FROZEN	75,699
CANNED	308,009
CURED	15,485
INDUSTRIAL	20,884
TOTAL	445,626

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
ALASKA	129,620
WASHINGTON	42,114
OREGON	38,816
CALIFORNIA	234,876
TOTAL	445,626

WHOLESALING AND PROCESSING, 1969

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	AMERICAN SAMOA AND PUERTO RICO	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING, ESTABLISHMENTS	163	138	60	200	6	567
PERSONS ENGAGED:						
AVERAGE FOR SEASON	8,584	3,402	3,314	8,690	3,557	27,547
AVERAGE FOR YEAR	3,450	2,390	2,344	6,990	3,117	18,291

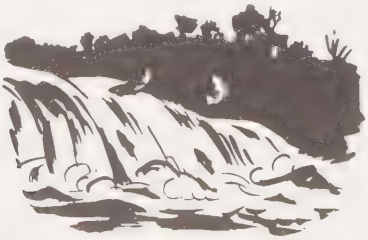
PACIFIC COAST FISHERIES
ALASKA
LANDINGS BY REGIONS, 1969

SPECIES	SOUTHEASTERN ALASKA		CENTRAL ALASKA		WESTERN ALASKA	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ARCTIC CHAR	-	-	-	-	6,600	$740
COD	48,500	$5,816	-	-	-	-
FLOUNDER, UNCLASSIFIED	15,100	831	300	$14	-	-
HALIBUT	16,637,000	4,198,636	6,171,200	1,557,364	-	-
HERRING, SEA	7,365,800	132,583	5,671,000	113,461	94,500	11,338
LINGCOD	32,600	4,726	-	-	-	-
LAKE TROUT	-	-	-	-	19,000	3,618
PIKE OR PICKEREL	-	-	-	-	1,100	82
ROCKFISHES 1/	21,500	2,154	21,800	2,177	-	-
SABLEFISH	665,400	65,141	-	-	-	-
SALMON: 2/						
CHINOOK OR KING	4,236,500	2,007,339	705,700	236,220	5,804,300	1,262,288
CHUM OR KETA	5,165,000	954,284	12,496,300	1,454,561	5,007,200	525,612
PINK	20,453,400	3,439,043	84,317,000	12,160,687	1,196,600	111,863
RED OR SOCKEYE	4,707,200	1,639,005	23,359,600	5,933,708	43,668,000	10,473,753
SILVER OR COHO	4,354,400	1,580,710	1,942,900	388,794	1,736,300	259,989
TOTAL SALMON	38,916,500	9,620,381	122,821,500	20,173,970	57,412,400	12,633,505
SCULPIN	-	-	3,400	327	-	-
SHEEFISH	-	-	-	-	6,800	1,365
SMELT	15,800	1,583	-	-	-	-
STEELHEAD TROUT	23,800	5,567	5,700	1,333	1,900	435
WHITEFISH	-	-	-	-	30,200	1,918
TOTAL FISH	63,742,000	14,037,418	134,694,900	21,848,646	57,572,500	12,653,001
SHELLFISH, ETC.						
CRABS:						
DUNGENESS	2,342,600	349,042	8,332,400	1,183,208	629,200	88,090
KING	1,895,100	507,905	20,274,900	5,676,961	35,559,800	9,458,902
SNOW	267,500	26,750	9,883,000	1,008,068	1,056,200	98,229
SHRIMP	1,680,300	62,170	46,170,300	1,846,811	-	-
CLAMS, RAZOR (MEATS)	-	-	38,900	12,920	47,400	12,324
SCALLOPS, SEA (MEATS)	837,100	703,153	1,051,200	838,858	-	-
KELP (WITH HERRING EGGS)	-	-	5,400	8,336	10,100	13,981
TOTAL SHELLFISH, ETC.	7,022,600	1,649,020	85,756,100	10,575,162	37,302,700	9,671,526
GRAND TOTAL	70,764,600	15,686,438	220,451,000	32,423,808	94,875,200	22,324,527

1/ INCLUDES LINGCOD.

2/ THE ROUND WEIGHTS USED IN LANDING TABLES WERE OBTAINED BY MULTIPLYING NUMBER OF FISH BY THEIR AVERAGE WEIGHT.

NOTE:--THE ABOVE DATA INCLUDE LANDINGS OF HALIBUT, SABLEFISH, LINGCOD, AND ROCKFISHES BY VESSELS OF U.S. REGISTRY AT BRITISH COLUMBIA PORTS. ROUND WEIGHTS OF FISH TAKEN BY HALIBUT VESSELS WERE OBTAINED BY MULTIPLYING REPORTED WEIGHTS, REPRESENTING POUNDAGE OF FISH EVISCERATED AND WITH HEADS-OFF, BY THE FOLLOWING FACTORS: HALIBUT, 1.33; SABLEFISH AND ROCKFISHES, 1.43.



PACIFIC COAST FISHERIES

SOUTHEASTERN REGION OF ALASKA
OPERATING UNITS BY GEAR, 1969

ITEM	PURSE SEINES 1/		BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH
	HERRING	SALMON		
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	24	1,644	30	8
ON BOATS AND SHORE. . . .	12	201	3	-
TOTAL	36	1,845	33	8
VESSELS, MOTOR.	4	274	10	2
GROSS TONNAGE	155	9,281	254	107
BOATS, MOTOR.	8	409	1	-
GEAR:				
NUMBER.	6	342	11	2
LENGTH, YARDS	2,800	163,600	-	-
YARDS AT MOUTH.	-	-	120	30

ITEM	FLOATING TRAPS	POTS		
		CRAB		
		DUNGENESS	KING	SNOW
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	-	24	30	15
ON BOATS AND SHORE. . . .	8	6	4	4
TOTAL	8	30	34	19
VESSELS, MOTOR.	-	8	10	5
GROSS TONNAGE	-	347	424	157
BOATS, MOTOR.	-	5	2	2
GEAR, NUMBER.	4	2,020	920	570

ITEM	POTS - CONTINUED	GILL NETS		LINES
	SHRIMP	ANCHOR, SET OR STAKE	DRIFT	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	2	2	246	1,096
ON BOATS AND SHORE. . . .	-	162	180	2,224
TOTAL	2	164	426	3,320
VESSELS, MOTOR.	1	1	123	548
GROSS TONNAGE	40	15	1,717	9,206
BOATS, MOTOR.	-	162	180	1,264
GEAR:				
NUMBER.	200	163	303	6,032
SQUARE YARDS.	-	112,646	491,637	-
HOOKS OR BAITS.	-	-	-	32,352

ITEM	LINES - CONTINUED	DREDGES, SCALLOP, SEA	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET WITH HOOKS		
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	184	60	3,060
ON BOATS AND SHORE. . . .	86	4	2,631
TOTAL	270	64	5,691
VESSELS, MOTOR.	54	12	924
GROSS TONNAGE	1,266	1,515	21,110
BOATS, MOTOR.	51	1	1,990
GEAR:			
NUMBER.	1,717	13	-
YARDS AT MOUTH.	-	102	-
HOOKS OR BAITS.	143,540	-	-

1/ INCLUDES HAUL SEINES.

PACIFIC COAST FISHERIES

SOUTHEASTERN REGION OF ALASKA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES 1/		BEAM TRAWLS, SHRIMP		OTTER TRAWLS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	48,500	$5,816
FLOUNDER, UNCLASSIFIED	-	-	-	-	15,100	831
HERRING, SEA	7,365,800	$132,583	-	-	-	-
SALMON:						
CHINOOK OR KING	90,900	22,725	-	-	-	-
CHUM OR KETA	3,060,600	440,726	-	-	-	-
PINK	18,114,000	2,904,275	-	-	-	-
RED OR SOCKEYE	1,961,900	588,570	-	-	-	-
SILVER OR COHO	802,800	120,420	-	-	-	-
TOTAL SALMON	24,030,200	4,076,716	-	-	-	-
SMELT	15,800	1,583	-	-	-	-
STEELHEAD TROUT	11,100	2,588	-	-	-	-
SHRIMP	-	-	1,632,800	$60.413	-	-
TOTAL	31,422,900	4,213,470	1,632,800	60,413	63,600	6,647

SPECIES	FLOATING TRAPS		POTS			
			CRAB			
			DUNGENESS		KING	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHUM OR KETA	2,400	$307	-	-	-	-
PINK	122,800	20,630	-	-	-	-
RED OR SOCKEYE	5,600	1,736	-	-	-	-
SILVER OR COHO	2,900	4,350	-	-	-	-
TOTAL SALMON	133,700	27,023	-	-	-	-
CRABS:						
DUNGENESS	-	-	2,342,600	$349,042	-	-
KING	-	-	-	-	1,895,100	$507,905
TOTAL	133,700	27,023	2,342,600	349,042	1,895,100	507,905

SPECIES	POTS - CONTINUED				GILL NETS	
	CRAB - CONTINUED		SHRIMP		ANCHOR, SET OR STAKE	
	SNOW					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	-	-	-	-	26,100	$7,830
CHUM OR KETA	-	-	-	-	158,300	37,992
PINK	-	-	-	-	269,800	59,356
RED OR SOCKEYE	-	-	-	-	715,600	271,928
SILVER OR COHO	-	-	-	-	237,700	73,687
TOTAL SALMON	-	-	-	-	1,407,500	450,793
CRABS, SNOW	267,500	$26,750	-	-	-	-
SHRIMP	-	-	47,500	$1,757	-	-
TOTAL	267,500	26,750	47,500	1,757	1,407,500	450,793

SPECIES	GILL NETS - CONTINUED		LINES				DREDGES, SCALLOP, SEA	
	DRIFT		TROLL		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	-	-	16,637,000	$4,198,636	-	-
LINGCOD	-	-	21,900	$3,176	10,700	1,550	-	-
ROCKFISHES	-	-	1,000	99	20,500	2,055	-	-
SABLEFISH	-	-	-	-	665,400	65,141	-	-
SALMON:								
CHINOOK OR KING	204,700	$58,581	3,914,800	1,918,203	-	-	-	-
CHUM OR KETA	1,928,000	470,549	15,700	4,710	-	-	-	-
PINK	1,595,900	367,057	350,900	87,725	-	-	-	-
RED OR SOCKEYE	2,021,500	775,731	2,600	1,040	-	-	-	-
SILVER OR COHO	474,900	149,593	2,836,100	1,232,660	-	-	-	-
TOTAL SALMON	6,225,000	1,821,511	7,120,100	3,244,338	-	-	-	-
STEELHEAD TROUT	12,000	2,815	700	164	-	-	-	-
SCALLOPS, SEA	-	-	-	-	-	-	837,100	$703,153
TOTAL	6,237,000	1,824,326	7,143,700	3,247,777	17,333,600	4,267,382	837,100	703,153

1/ INCLUDES HAUL SEINES.

CENTRAL REGION OF ALASKA
OPERATING UNITS BY GEAR, 1969

ITEM	PURSE SEINES 1/		BEAM TRAWLS, SHRIMP	OTTER TRAWLS
	HERRING	SALMON		FISH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	78	2,640	6	8
ON BOATS AND SHORE. . . .	72	876	-	-
TOTAL	150	3,516	6	8
VESSELS, MOTOR.	13	440	2	2
GROSS TONNAGE	370	7,980	50	50
BOATS, MOTOR.	37	1,261	-	-
GEAR:				
NUMBER.	25	838	2	2
LENGTH, YARDS	10,360	302,750	-	-
YARDS AT MOUTH.	-	-	22	30

ITEM	OTTER TRAWLS - CONTINUED	POTS		
		CRAB		
	SHRIMP	DUNGENESS	KING	SNOW
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	69	159	498	303
ON BOATS AND SHORE. . . .	24	43	146	76
TOTAL	93	202	644	379
VESSELS, MOTOR.	23	53	166	101
GROSS TONNAGE	1,579	2,811	12,509	7,216
BOATS, MOTOR.	10	29	73	38
GEAR:				
NUMBER.	33	9,882	22,939	14,343
YARDS AT MOUTH.	475	-	-	-

ITEM	POTS - CONTINUED	GILL NETS		LINES
	SHRIMP	ANCHOR, SET OR STAKE	DRIFT	TROLL
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	4	42	544	1,092
ON BOATS AND SHORE. . . .	-	662	966	1,653
TOTAL	4	704	1,510	2,745
VESSELS, MOTOR.	2	21	272	546
GROSS TONNAGE	48	636	4,321	9,702
BOATS, MOTOR.	-	662	966	959
GEAR:				
NUMBER.	290	683	1,238	6,020
SQUARE YARDS.	-	814,555	1,357,020	-
HOOKS OR BAITS.	-	-	-	36,120

ITEM	LINES - CONTINUED	DREDGES, SCALLOP, SEA	SHOVELS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	LONG OR SET WITH HOOKS				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	598	30	-	8	4,972
ON BOATS AND SHORE. . . .	718	16	26	40	4,162
TOTAL	1,316	46	26	48	9,134
VESSELS, MOTOR.	160	6	-	4	1,384
GROSS TONNAGE	3,781	762	-	42	35,292
BOATS, MOTOR.	359	4	26	1	3,714
GEAR:					
NUMBER.	9,730	10	26	-	-
YARDS AT MOUTH.	-	72	-	-	-
HOOKS OR BAITS.	822,090	-	-	-	-

1/ INCLUDES HAUL SEINES.

PACIFIC COAST FISHERIES

CENTRAL REGION OF ALASKA

LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES 1/		BEAM TRAWLS, SHRIMP		OTTER TRAWLS	
					FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDER, UNCLASSIFIED. .	-	-	-	-	200	$8
HERRING, SEA.	5,671,000	$113,461	-	-	-	-
ROCKFISHES.	-	-	100	$6	-	-
SALMON:						
CHINOOK OR KING	145,700	36,425	-	-	-	-
CHUM OR KETA.	8,578,300	984,393	-	-	-	-
PINK.	81,897,800	11,793,168	-	-	-	-
RED OR SOCKEYE.	7,414,800	1,705,404	-	-	-	-
SILVER OR COHO.	617,400	111,132	-	-	-	-
TOTAL SALMON. . . .	98,654,000	14,630,522	-	-	-	-
SCULPIN	-	-	-	-	3,400	327
TOTAL	104,325,000	14,743,983	100	6	3,600	335

SPECIES	OTTER TRAWLS - CONTINUED		POTS			
	SHRIMP		CRAB			
			DUNGENESS		KING	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CRABS:						
DUNGENESS	-	-	8,332,400	$1,183,208	-	-
KING.	-	-	-	-	20,274,900	$5,676,961
SHRIMP.	46,170,300	$1,846,811	-	-	-	-
TOTAL	46,170,300	1,846,811	8,332,400	1,183,208	20,274,900	5,676,961

SPECIES	POTS - CONTINUED		GILL NETS			
	CRAB - CONTINUED		ANCHOR, SET OR STAKE		DRIFT	
	SNOW					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	-	-	228,300	$85,524	283,600	$93,588
CHUM OR KETA.	-	-	500,000	60,000	3,417,900	410,148
PINK.	-	-	2,249,900	342,475	166,100	24,084
RED OR SOCKEYE.	-	-	3,900,400	1,014,104	12,044,400	3,214,200
SILVER OR COHO.	-	-	500,100	105,021	815,000	168,481
TOTAL SALMON. . . .	-	-	7,378,700	1,607,124	16,727,000	3,910,501
STEELHEAD TROUT	-	-	-	-	5,700	1,333
CRABS, SNOW	9,883,000	$1,008,068	-	-	-	-
TOTAL	9,883,000	1,008,068	7,378,700	1,607,124	16,732,700	3,911,834

SPECIES	LINES				DREDGES, SCALLOP, SEA	
	TROLL		LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING, SEA.	-	-	6,171,200	$1,557,364	-	-
ROCKFISHES.	-	-	21,800	2,177	-	-
SALMON:						
CHINOOK OR KING	48,100	$20,683	-	-	-	-
CHUM OR KETA.	100	20	-	-	-	-
PINK.	3,200	960	-	-	-	-
SILVER OR COHO.	10,400	4,160	-	-	-	-
TOTAL SALMON. . . .	61,800	25,523	-	-	-	-
SCALLOPS, SEA	-	-	-	-	1,051,200	$838,858
TOTAL	61,800	25,823	6,193,000	1,559,541	1,051,200	838,858

SPECIES	SHOVELS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, RAZOR (MEATS). . .	38,900	$12,920	-	-
KELP (WITH HERRING EGGS).	-	-	5,400	$8,336
TOTAL	38,900	12,920	5,400	8,336

1/ INCLUDES HAUL SEINES.

WESTERN REGION OF ALASKA
OPERATING UNITS BY GEAR, 1969

ITEM	PURSE SEINES, SALMON 1/	POTS, CRAB			GILL NETS	
		DUNGENESS	KING	SNOW	ANCHOR, SET OR STAKE	DRIFT
FISHERMEN:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ON VESSELS.	138	36	258	105	28	448
ON BOATS AND SHORE. . . .	26	4	76	24	1,599	2,538
TOTAL	164	40	334	129	1,627	2,986
VESSELS, MOTOR.	-	12	86	35	14	227
GROSS TONNAGE	-	1,267	12,438	5,137	53	4,823
BOATS, MOTOR.	51	2	-	-	1,599	2,538
GEAR:						
NUMBER.	37	2,055	12,161	4,497	1,613	2,762
LENGTH, YARDS	15,268	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	670,290	1,050,360

ITEM	LINES, TROLL	FISH WHEELS	SHOVELS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
FISHERMEN:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ON VESSELS.	308	-	-	-	1,576
ON BOATS AND SHORE. . . .	194	7	5	8	4,420
TOTAL	502	7	5	8	5,996
VESSELS, MOTOR.	154	-	-	-	578
GROSS TONNAGE	2,992	-	-	-	24,275
BOATS, MOTOR.	97	-	-	-	4,249
GEAR:					
NUMBER.	1,004	7	5	-	-
SQUARE YARDS.	6,024	-	-	-	-

1/ INCLUDES HAUL SEINES.

WESTERN REGION OF ALASKA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES 1/		POTS, CRAB			
			DUNGENESS		KING	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING, SEA.	94,500	$11,338	-	-	-	-
SALMON:						
CHINOOK OR KING	100	10	-	-	-	-
CHUM OR KETA.	48,100	4,810	-	-	-	-
PINK.	871,800	80,641	-	-	-	-
RED OR SOCKEYE.	46,600	1,071	-	-	-	-
SILVER OR COHO.	22,800	2,964	-	-	-	-
TOTAL SALMON.	989,400	89,496	-	-	-	-
CRABS:						
DUNGENESS	-	-	629,200	$88,090	-	-
KING.	-	-	-	-	35,559,800	$9,458,902
TOTAL	1,083,900	100,834	629,200	88,090	35,559,800	9,458,902

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

WESTERN REGION OF ALASKA
LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS, CRAB - CONTINUED		GILL NETS			
	SNOW		ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALJE
ARTIC CHAR.	-	-	6,600	$740	-	-
PIKE OR PICKEREL.	-	-	400	32	-	-
SALMON:						
CHINOOK OR KING	-	-	1,676,000	364,255	4,118,200	$894,748
CHUM OR KETA.	-	-	2,356,400	241,531	2,598,000	278,664
PINK.	-	-	314,500	30,192	10,300	1,030
RED OR SOCKEYE.	-	-	5,239,700	1,256,689	38,381,700	9,215,993
SILVER OR COHO.	-	-	466,700	67,671	1,246,100	189,180
TOTAL SALMON.	-	-	10,053,300	1,960,338	46,354,300	10,579,615
SHEEFISH.	-	-	6,800	1,365	-	-
LAKE TROUT.	-	-	19,000	3,618	-	-
STEELHEAD TROUT	-	-	-	-	1,900	435
WHITEFISH	-	-	23,100	1,460	7,100	458
CRABS, SNOW	1,056,200	$98,229	-	-	-	-
TOTAL	1,056,200	98,229	10,109,200	1,967,553	46,363,300	10,580,508

SPECIES	LINES, TROLL		FISH WEELS	
	POUNDS	VALUE	POUNDS	VALUE
PIKE OR PICKEREL.	700	$50	-	-
SALMON:				
CHINOOK OR KING	-	-	10,000	$3,275
CHUM OR KETA.	-	-	4,700	607
SILVER OR COHO.	-	-	700	174
TOTAL SALMON.	-	-	15,400	4,056
TOTAL	700	50	15,400	4,056

SPECIES	SHOVELS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS, RAZOR (MEATS). . . .	47,400	$12,324	-	-
KELP (WITH HERRING EGGS). .	-	-	10,100	$13,981
TOTAL	47,400	12,324	10,100	13,981

1/ INCLUDES HAUL SEINES.

PACIFIC COAST FISHERIES

WASHINGTON

LANDINGS BY DISTRICTS, 1969

SPECIES	PUGET SOUND		COASTAL		COLUMBIA RIVER	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	13,100	$170	101,100	$3,033	243,200	$7,296
CARP	-	-	-	-	1,260,900	6,530
COD	3,794,600	226,143	6,300	361	-	-
FLOUNDERS:						
"SOLE"	9,149,800	698,371	94,200	9,204	-	-
OTHER	660,300	33,363	1,700	89	11,800	154
HAKE	8,529,300	68,290	-	-	-	-
HALIBUT	10,201,000	3,134,861	48,700	8,894	600	137
HERRING, SEA	8,297,000	285,037	-	-	-	-
LINGCOD	3,647,200	219,033	230,000	11,431	2,000	82
OCEAN PERCH	12,351,600	697,867	-	-	-	-
PERCH	243,700	32,635	1,400	134	-	-
POLLOCK	558,100	9,677	-	-	-	-
RATFISH	1,053,100	8,224	-	-	-	-
ROCKFISHES	17,332,500	988,818	230,800	7,818	102,900	4,340
SABLEFISH	453,900	57,307	-	-	-	-
SALMON:						
CHINOOK OR KING	2,048,900	1,138,940	2,864,300	1,618,765	2,217,800	829,499
CHUM OR KETA	1,560,500	487,581	583,200	136,604	1,200	263
PINK	5,792,300	1,081,844	142,600	30,541	13,500	2,851
RED OR SOCKEYE	9,478,600	4,078,524	125,300	63,382	34,100	13,693
SILVER OR COHO	3,505,500	1,420,524	2,147,600	913,221	1,462,300	586,815
TOTAL SALMON	22,385,800	8,207,413	5,863,000	2,762,513	3,728,900	1,433,121
SHAD	-	-	1,900	151	55,000	3,115
SHARKS:						
GRAYFISH	600,200	3,570	-	-	-	-
SOUPFIN	13,100	65	-	-	-	-
TOTAL SHARKS	613,300	3,635	-	-	-	-
SKATES	266,100	3,495	-	-	-	-
SMELT:						
EULACHON	200	150	-	-	1,042,500	107,927
SURF OR SILVER	71,800	8,612	115,900	12,214	-	-
STEELHEAD TROUT	60,000	21,000	90,000	30,000	115,600	34,743
STURGEON, COMMON	35,800	3,508	197,900	20,776	117,300	20,803
SUCKERS	-	-	-	-	6,700	34
TOMCOD	215,500	3,072	-	-	-	-
TUNA, ALBACORE	613,500	133,866	1,176,900	242,582	1,770,600	389,500
TOTAL FISH	100,547,200	14,844,547	8,159,800	3,109,200	8,458,000	2,007,782
SHELLFISH, ETC.						
CRABS, DUNGENESS 1/	1,001,500	196,369	16,321,200	3,870,715	1,705,700	409,550
CRAWFISH, FRESH-WATER	6,200	2,798	-	-	-	-
SHRIMP:						
BAY	21,800	11,841	-	-	-	-
OCEAN	-	-	1,174,300	125,781	250,700	30,724
CLAMS:						
HARD: 2/						
BUTTER	131,400	40,706	-	-	-	-
LITTLE NECK	173,400	97,833	3,800	2,540	-	-
MANILA	134,800	71,152	1,600	667	-	-
RAZOR 3/	-	-	106,100	100,874	-	-
MIXED	10,600	2,590	-	-	-	-
TOTAL CLAMS	450,200	212,281	111,500	104,081	-	-
OCTOPUS	28,900	3,399	-	-	-	-
OYSTERS, MARKET:						
PACIFIC 4/	2,214,900	797,646	3,507,700	1,285,719	-	-
WESTERN 5/	38,300	114,855	-	-	-	-
TOTAL OYSTERS	2,253,200	912,501	3,507,700	1,285,719	-	-
SCALLOPS, SEA 6/	13,800	11,017	-	-	-	-
SQUID	600	78	-	-	-	-
TOTAL SHELLFISH, ETC.	3,776,200	1,350,284	21,114,700	5,386,296	1,956,400	440,274
GRAND TOTAL	104,323,400	16,194,831	29,274,500	8,495,496	10,414,400	2,448,056

1/ CRABS AVERAGED 21.7 POUNDS PER DOZEN IN THE PUGET SOUND DISTRICT, 24.2 POUNDS PER DOZEN ON THE COAST AND 23.9 POUNDS PER DOZEN IN THE COLUMBIA RIVER DISTRICT. 2/ BASED ON A YIELD OF 25 PERCENT MEATS. 3/ BASED ON A YIELD OF 42 PERCENT MEATS. 4/ BASED ON A YIELD OF 10 PERCENT MEATS IN THE PUGET SOUND DISTRICT AND 12 PERCENT MEATS IN THE COASTAL DISTRICT. 5/ BASED ON A YIELD OF 18 PERCENT MEATS. 6/ SCALLOPS WERE CAUGHT OFF ALASKA AND LANDED AS SHUCKED MEATS. BASED ON A YIELD OF 17 PERCENT MEATS.

PACIFIC COAST FISHERIES

PUGET SOUND DISTRICT OF WASHINGTON

OPERATING UNITS, 1969

ITEM	HAUL SEINES, COMMON 1/	PURSE SEINES		BEAM TRAWLS, SHRIMP	OTTER TRAWLS, FISH	MID-WATER TRAWLS	BRUSH WEIRS	POUND NETS 2/
		HERRING	SALMON					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	48	23	2,118	4	355	26	-	-
ON BOATS AND SHORE, REGULAR	155	9	-	4	-	-	4	16
TOTAL	203	32	2,118	8	355	26	4	16
VESSELS, MOTOR	16	3	317	2	89	7	-	-
GROSS TONNAGE	204	158	11,719	166	6,385	546	-	-
BOATS:								
MOTOR	16	9	317	2	-	-	1	4
OTHER	17	-	-	-	-	-	-	-
GEAR:								
NUMBER	79	6	317	4	89	7	1	4
LENGTH, YARDS	6,500	1,725	169,965	-	-	-	-	-
YARDS AT MOUTH	-	-	-	32	1,976	231	-	-

ITEM	POTS					GILL NETS	
	CRAB	CRAWFISH	FISH	OCTOPUS	SHRIMP	ANCHOR, SET OR STAKE 2/	DRIFT, SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	46	-	3	-	-	-	396
ON BOATS AND SHORE, REGULAR	60	7	-	2	6	175	755
TOTAL	106	7	3	2	6	175	1,151
VESSELS, MOTOR	23	-	1	-	-	-	300
GROSS TONNAGE	511	-	81	-	-	-	3,356
BOATS:							
MOTOR	41	4	-	2	4	130	687
OTHER	1	1	-	-	-	25	-
GEAR:							
NUMBER	5,000	175	40	150	100	155	987
SQUARE YARDS	-	-	-	-	-	40,000	6,480,000

ITEM	LINES						DIP NETS, COMMON
	HAND		TROLL			LONG OR SET WITH HOOKS	
	ALBACORE	OTHER	SALMON	TUNA	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	11	-	297	118	13	308	12
ON BOATS AND SHORE, REGULAR	-	11	570	2	6	-	20
TOTAL	11	11	867	120	19	308	32
VESSELS, MOTOR	3	-	189	51	13	55	4
GROSS TONNAGE	340	-	3,085	1,548	199	2,806	57
BOATS; MOTOR	1	11	475	1	6	-	9
GEAR:							
NUMBER	11	22	2,700	497	38	2,523	32
HOOKS OR BAITS	11	44	11,200	497	76	225,400	-

ITEM	REEF NETS	DREDGES			SHOVELS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
		CLAM	OYSTER				
			COMMON	SUCTION			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS	-	6	11	2	-	-	3,446
ON BOATS AND SHORE, REGULAR	252	-	8	-	225	120	2,362
TOTAL	252	6	19	2	225	120	5,808
VESSELS, MOTOR	-	3	5	1	-	-	953
GROSS TONNAGE	-	39	95	41	-	-	27,315
BOATS:							
MOTOR	-	-	4	-	-	25	1,748
OTHER	126	-	-	-	-	15	185
GEAR:							
NUMBER	63	3	18	1	225	-	-
YARDS AT MOUTH	-	3	36	-	-	-	-

1/ INCLUDES 18 HAUL SEINES OPERATED ON INDIAN RESERVATIONS.

2/ OPERATED ON INDIAN RESERVATIONS.

PUGET SOUND DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON 1/		PURSE SEINES			
			HERRING		SALMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	-	-	13,100	$170	-	-
FLOUNDERS, OTHER	2,800	$138	-	-	-	-
HERRING, SEA	603,300	130,632	7,419,300	94,940	-	-
LINGCOD	1,000	58	-	-	400	$24
PERCH	242,400	32,516	-	-	-	-
ROCKFISHES	1,800	100	-	-	400	11
SALMON:						
CHINOOK OR KING	25,300	13,228	-	-	665,100	359,145
CHUM OR KETA	8,800	2,801	-	-	600,700	213,235
PINK	48,100	7,267	-	-	4,694,000	868,400
RED OR SOCKEYE	-	-	-	-	5,884,200	2,524,300
SILVER OR COHO	19,300	6,841	-	-	943,200	372,700
SKATES	100	2	-	-	-	-
SMELT:						
EULACHON	200	150	-	-	-	-
SURF OR SILVER	68,000	8,235	-	-	-	-
STURGEON, COMMON	-	-	-	-	100	7
SQUID	300	52	-	-	-	-
TOTAL	1,021,400	202,020	7,432,400	95,110	12,788,100	4,337,822

SPECIES	BEAM TRAWLS, SHRIMP		OTTER TRAWLS, FISH		MID-WATER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	3,794,500	$226,137	-	-
FLOUNDERS:						
"SOLE"	-	-	9,149,800	698,371	-	-
OTHER	-	-	657,000	33,200	-	-
HAKE	-	-	-	-	8,529,300	$68,290
LINGCOD	-	-	3,441,800	200,312	-	-
OCEAN PERCH	-	-	12,351,600	697,867	-	-
PERCH	-	-	1,300	119	-	-
POLLOCK	-	-	558,100	9,677	-	-
RATFISH	-	-	1,053,100	8,224	-	-
ROCKFISHES	-	-	17,268,700	986,040	-	-
SABLEFISH	-	-	196,500	15,851	-	-
SHARKS:						
GRAYFISH	-	-	569,600	3,417	-	-
OTHER	-	-	13,100	65	-	-
SKATES	-	-	266,000	3,493	-	-
STURGEON, COMMON	-	-	35,400	3,460	-	-
TOMCOD	-	-	215,500	3,072	-	-
SHRIMP, BAY	10,200	$4,154	-	-	-	-
OCTOPUS	-	-	18,400	1,976	-	-
SCALLOPS, SEA 6/	13,700	10,987	100	30	-	-
SQUID	-	-	300	26	-	-
TOTAL	23,900	15,141	49,590,800	2,891,337	8,529,300	68,290

SPECIES	BRUSH WEIRS		POUND NETS 2/		POTS	
					CRAB	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING, SEA	47,400	$14,775	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	33,600	$18,578	-	-
CHUM OR KETA	-	-	2,100	756	-	-
PINK	-	-	26,400	4,777	-	-
RED OR SOCKEYE	-	-	1,200	516	-	-
SILVER OR COHO	-	-	22,100	8,637	-	-
CRABS, DUNGENESS 3/	-	-	-	-	1,001,500	$196,369
TOTAL	47,400	14,775	85,400	33,264	1,001,500	196,369

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PUGET SOUND DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS - CONTINUED					
	CRAWFISH		FISH		OCTOPUS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SABLEFISH	-	-	44,900	$7,276	-	-
CRAWFISH, FRESH-WATER	6,200	$2,798	-	-	-	-
OCTOPUS	-	-	-	-	10,500	$1,423
TOTAL	6,200	2,798	44,900	7,276	10,500	1,423

SPECIES	POTS - CONTINUED		GILL NETS			
	SHRIMP		ANCHOR, SET OR STAKE 2/		DRIFT, SALMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
LINGCOD	-	-	-	-	1,100	$52
ROCKFISHES	-	-	-	-	100	4
SALMON:						
CHINOOK OR KING	-	-	294,600	$132,562	792,000	463,346
CHUM OR KETA	-	-	358,500	62,849	584,900	206,309
PINK	-	-	91,000	14,361	528,700	107,070
RED OR SOCKEYE	-	-	2,600	1,100	3,151,800	1,363,750
SILVER OR COHO	-	-	320,200	116,440	1,592,300	662,410
SHARKS, GRAYFISH	-	-	-	-	30,600	153
STEELHEAD TROUT	-	-	60,000	21,000	-	-
STURGEON, COMMON	-	-	100	18	200	23
SHRIMP, BAY	11,600	$7,687	-	-	-	-
TOTAL	11,600	7,687	1,127,000	348,330	6,681,700	2,803,117

SPECIES	LINES					
	HAND				TROLL	
	ALBACORE		OTHER		SALMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	-	-	43,500	$11,161
LINGCOD	-	-	21,800	$2,045	63,500	3,840
ROCKFISHES	-	-	200	13	13,200	449
SALMON:						
CHINOOK OR KING	-	-	-	-	224,600	144,550
CHUM OR KETA	-	-	-	-	200	65
PINK	-	-	-	-	184,200	40,176
RED OR SOCKEYE	-	-	-	-	2,100	894
SILVER OR COHO	-	-	-	-	575,000	241,301
TUNA, ALBACORE	100,000	$22,000	-	-	-	-
TOTAL	100,000	22,000	22,000	2,058	1,106,300	442,436

SPECIES	LINES - CONTINUED					
	TROLL - CONTINUED				LONG OR SET WITH HOOKS	
	TUNA		OTHER			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	-	-	100	$6
FLOUNDERS, OTHER	-	-	-	-	500	25
HALIBUT	-	-	-	-	10,157,500	3,123,700
LINGCOD	-	-	105,000	$12,000	12,600	702
ROCKFISHES	-	-	300	27	47,800	2,174
SABLEFISH	-	-	-	-	212,500	34,180
TUNA, ALBACORE	513,500	$111,866	-	-	-	-
TOTAL	513,500	111,866	105,300	12,027	10,431,000	3,160,787

SPECIES	DIP NETS, COMMON		REEF NETS		DREDGES	
					CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HERRING, SEA	227,000	$44,690	-	-	-	-
SALMON:						
CHINOOK OR KING	-	-	13,700	$7,531	-	-
CHUM OR KETA	-	-	5,300	1,566	-	-
PINK	-	-	219,900	39,793	-	-
RED OR SOCKEYE	-	-	436,700	187,964	-	-
SILVER OR COHO	-	-	33,400	12,195	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PUGET SOUND DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	DIP NETS, COMMON		REEF NETS		DREDGES	
					CLAM	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SMELT, SURF OR SILVER . . .	3,800	$377	-	-	-	-
CLAMS:						
HARD: 4/						
BUTTER.	-	-	-	-	119,800	$37,100
LITTLE NECK	-	-	-	-	59,400	39,179
MIXED	-	-	-	-	10,600	2,590
TOTAL	230,800	45,067	709,000	$249,049	189,800	78,869

SPECIES	DREDGES - CONTINUED		SHOVELS	
	OYSTER AND BY HAND			
	POUNDS	VALUE	POUNDS	VALUE
CLAMS; HARD: 4/				
BUTTER.	-	-	11,600	$3,606
LITTLE NECK	-	-	114,000	58,654
MANILA.	-	-	134,800	71,152
OYSTERS, MARKET: 5/				
PACIFIC	2,214,900	$797,646	-	-
WESTERN	38,300	114,855	-	-
TOTAL	2,253,200	912,501	260,400	133,412

1/ THE SALMON CAUGHT BY HAUL SEINES WERE TAKEN ON INDIAN RESERVATIONS.

2/ FISHED ONLY ON INDIAN RESERVATIONS.

3/ BASED ON AN AVERAGE OF 21.7 POUNDS PER DOZEN.

4/ BASED ON A YIELD IF 25 PERCENT MEATS.

5/ BASED ON A YIELD OF 10 PERCENT MEATS FOR PACIFIC OYSTERS AND 18 PERCENT FOR WESTERN OR NATIVE OYSTERS.

6/ BASED ON A YIELD OF 17 PERCENT MEATS.

COASTAL DISTRICT OF WASHINGTON - OPERATING UNITS, 1969

ITEM	HAUL SEINES, COMMON 1/	OTTER TRAWLS		POTS, CRAB	GILL NETS		LINES	
		FISH	SHRIMP		ANCHOR, SET OR STAKE 1/	DRIFT, SALMON	HAND	TROLL SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	-	6	35	182	-	44	-	636
ON BOATS AND SHORE, REGULAR	80	-	-	40	125	246	2	750
TOTAL	80	6	35	222	125	290	2	1,386
VESSELS, MOTOR	-	2	11	68	-	33	-	405
GROSS TONNAGE	-	69	482	2,007	-	393	-	5,884
BOATS:								
MOTOR	21	-	-	22	95	214	1	625
OTHER	15	-	-	-	14	20	-	-
GEAR:								
NUMBER	21	2	11	22,300	109	267	2	4,400
LENGTH, YARDS	2,100	-	-	-	-	-	-	-
SQUARE YARDS	-	-	-	-	35,000	560,000	-	-
YARDS AT MOUTH	-	40	209	-	-	-	-	-
HOOKS OR BAITS	-	-	-	-	-	-	2	19,000

ITEM	LINES - CONTINUED		DIP NETS, COMMON 1/	DREDGES, OYSTER		SHOVELS 1/	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL — CONTINUED TUNA	LONG OR SET WITH HOOKS		COMMON	SUCTION			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	217	-	-	45	2	-	-	930
ON BOATS AND SHORE, REGULAR	6	2	15	4	-	155	125	1,500
TOTAL	223	2	15	49	2	155	125	2,430
VESSELS, MOTOR	115	-	-	20	1	-	-	515
GROSS TONNAGE	1,984	-	-	442	24	-	-	8,886
BOATS:								
MOTOR	4	1	5	2	-	-	10	965
OTHER	-	-	2	-	-	-	20	71
GEAR:								
NUMBER	1,033	4	15	44	1	155	-	-
YARDS AT MOUTH	-	-	-	88	-	-	-	-
HOOKS OR BAITS	1,033	400	-	-	-	-	-	-

1/ OPERATED ON INDIAN RESERVATIONS.

COASTAL DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON 1/		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	101,100	$3,033	-	-	-	-
COD	-	-	6,200	$356	-	-
FLOUNDERS:						
"SOLE"	-	-	91,500	8,937	2,400	$237
OTHER	-	-	1,500	79	-	-
LINGCOD	-	-	34,100	1,816	31,200	1,553
PERCH	500	45	-	-	-	-
ROCKFISHES	-	-	27,400	1,431	10,100	458
SMELT, SURF OR SILVER	101,300	9,915	-	-	-	-
STURGEON, COMMON	-	-	100	11	-	-
SHRIMP, OCEAN	-	-	-	-	1,174,300	125,781
TOTAL	202,900	12,993	160,800	12,630	1,218,000	128,029

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

COASTAL DISTRICT OF WASHINGTON
LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS, CRAB		GILL NETS			
			ANCHOR, SET OR STAKE 1/		DRIFT, SALMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PERCH	-	-	100	$11	-	-
ROCKFISHES	-	-	-	-	200	$7
SALMON:						
CHINOOK OR KING	-	-	361,000	187,127	659,100	343,354
CHUM OR KETA	-	-	26,100	5,218	556,700	131,276
RED OR SOCKEYE	-	-	125,200	63,344	-	-
SILVER OR COHO	-	-	176,700	69,185	342,500	160,196
SHAD	-	-	1,900	151	-	-
STEELHEAD TROUT	-	-	90,000	30,000	-	-
STURGEON, COMMON	-	-	100	10	185,500	18,205
CRABS, DUNGENESS 2/	16,321,200	$3,870,715	-	-	-	-
TOTAL	16,321,200	3,870,715	781,100	355,046	1,744,000	653,038

SPECIES	LINES					
	HAND		TROLL			
			SALMON		TUNA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	100	$5	-	-
FLOUNDERS:						
"SOLE"	-	-	300	30	-	-
OTHER	100	$5	100	5	-	-
HALIBUT	-	-	48,700	8,894	-	-
LINGCOD	-	-	164,700	8,062	-	-
PERCH	800	78	-	-	-	-
ROCKFISHES	-	-	193,100	5,922	-	-
SALMON:						
CHINOOK OR KING	-	-	1,844,200	1,088,284	-	-
CHUM OR KETA	-	-	400	110	-	-
PINK	-	-	142,600	30,541	-	-
RED OR SOCKEYE	-	-	100	38	-	-
SILVER OR COHO	-	-	1,628,400	683,840	-	-
TUNA, ALBACORE	-	-	-	-	1,176,900	$242,582
TOTAL	900	83	4,022,700	1,825,731	1,176,900	242,582

SPECIES	LINES - CONTINUED		DIP NETS, COMMON 1/	
	LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE
SMELT, SURF OR SILVER	-	-	14,600	$2,299
STURGEON, COMMON	12,200	$2,550	-	-
TOTAL	12,200	2,550	14,600	2,299

SPECIES	DREDGES, OYSTER AND BY HAND		SHOVELS 1/	
	POUNDS	VALUE	POUNDS	VALUE
CLAMS:				
HARD: 3/				
LITTLE NECK	-	-	3,800	$2,540
MANILA	-	-	1,600	667
RAZOR 4/	-	-	106,100	100,874
OYSTERS, MARKET, PACIFIC 5/	3,507,700	$1,285,719	-	-
TOTAL OYSTERS	3,507,700	1,285,719	111,500	104,081

1/ FISHED ON INDIAN RESERVATIONS.

2/ CRABS AVERAGED 24.2 POUNDS PER DOZEN.

3/ BASED ON A YIELD OF 25 PERCENT MEATS.

4/ BASED ON A YIELD OF 42 PERCENT EDIBLE MEATS.

5/ BASED ON A YIELD OF 12 PERCENT MEATS.

COLUMBIA RIVER DISTRICT OF WASHINGTON
OPERATING UNITS, 1969

ITEM	HAUL SEINES, COMMON 1/	BEAM TRAWLS	OTTER TRAWLS, SHRIMP	POTS, CRAB	GILL NETS	
					ANCHOR, SET OR STAKE 2/	DRIFT
						SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	2	22	37	-	9
ON BOATS AND SHORE, REGULAR	80	-	-	8	70	191
TOTAL	80	2	22	45	70	200
VESSELS, MOTOR	-	1	7	15	-	6
GROSS TONNAGE	-	13	323	372	-	63
BOATS:						
MOTOR	20	-	-	4	55	175
OTHER	10	-	-	-	5	-
GEAR:						
NUMBER	20	1	8	4,000	60	181
LENGTH, YARDS	2,000	-	-	-	-	-
SQUARE YARDS	-	-	-	-	25,000	550,000
YARDS AT MOUTH	-	5	133	-	-	-

ITEM	GILL NETS - CONTINUED	LINES			DIP NETS, COMMON 3/	TOTAL, EXCLUSIVE OF DUPLICATION
	DRIFT CONTINUED	HAND, ALBACORE	TROLL			
	SMELT		SALMON	TUNA		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	-	54	268	185	-	454
ON BOATS AND SHORE, REGULAR	10	-	757	15	95	1,171
TOTAL	10	54	1,025	200	95	1,625
VESSELS, MOTOR	-	12	158	90	-	221
GROSS TONNAGE	-	564	2,283	1,795	-	4,213
BOATS:						
MOTOR	10	7	630	110	25	893
OTHER	-	-	-	-	4	19
GEAR:						
NUMBER	10	54	3,100	868	95	-
SQUARE YARDS	9,000	-	-	-	-	-
HOOKS OR BAITS	-	54	12,300	868	-	-

1/ MOSTLY BAIT NETS FOR ANCHOVY TUNA BAIT.

2/ OPERATED ONLY ON INDIAN RESERVATIONS.

3/ INCLUDES 34 DIP NETS OPERATED ON INDIAN RESERVATIONS.

COLUMBIA RIVER DISTRICT OF WASHINGTON LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		BEAM TRAWLS		OTTER TRAWLS, SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	243,200	$7,296	-	-	-	-
CARP	1,260,900	6,530	-	-	-	-
SMELT, EULACHON	-	-	9,400	$919	-	-
SUCKERS	6,700	34	-	-	-	-
SHRIMP, OCEAN	-	-	-	-	250,700	$30,724
TOTAL	1,510,800	13,860	9,400	919	250,700	30,724

SPECIES	POTS, CRAB		GILL NETS			
			ANCHOR, SET OR STAKE 1/		DRIFT	
					SMELT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	-	-	1,058,600	$326,047	-	-
RED OR SOCKEYE	-	-	25,900	10,378	-	-
SILVER OR COHO	-	-	25,300	7,333	-	-
SHAD	-	-	50,700	2,723	-	-
SMELT, EULACHON	-	-	-	-	56,700	$12,051
STEELHEAD TROUT	-	-	79,500	23,817	-	-
STURGEON, COMMON	-	-	11,700	2,375	-	-
CRABS, DUNGENESS 2/	1,705,700	$409,550	-	-	-	-
TOTAL	1,705,700	409,550	1,251,700	372,673	56,700	12,051

SPECIES	GILL NETS - CONTINUED		LINES			
	DRIFT - CONTINUED		HAND, ALBACORE		TROLL	
	SALMON AND SHAD				SALMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, OTHER	11,800	$154	-	-	-	-
HALIBUT	-	-	-	-	600	$137
LINGCOD	-	-	-	-	2,000	82
ROCKFISHES	-	-	-	-	102,900	4,340
SALMON:						
CHINOOK OR KING	885,100	362,197	-	-	222,800	126,546
CHUM OR KETA	1,200	263	-	-	-	-
PINK	-	-	-	-	13,500	2,851
RED OR SOCKEYE	8,200	3,315	-	-	-	-
SILVER OR COHO	347,300	119,917	-	-	1,078,700	456,280
SHAD	4,300	392	-	-	-	-
STEELHEAD TROUT	35,500	10,775	-	-	-	-
STURGEON, COMMON	105,500	18,409	-	-	-	-
TUNA, ALBACORE	-	-	500,000	$110,000	-	-
TOTAL	1,398,900	515,422	500,000	110,000	1,420,500	590,236

SPECIES	LINES - CONTINUED		DIP NETS, COMMON 1/	
	TROLL - CONTINUED			
	TUNA			
	POUNDS	VALUE	POUNDS	VALUE
SALMON:				
CHINOOK OR KING	-	-	51,300	$14,709
SILVER OR COHO	-	-	11,000	3,285
SMELT, EULACHON	-	-	976,400	94,957
STEELHEAD TROUT	-	-	600	151
STURGEON, COMMON	-	-	100	19
TUNA, ALBACORE	1,270,600	$279,500	-	-
TOTAL	1,270,600	279,500	1,039,400	113,121

1/ FISHED ONLY ON INDIAN RESERVATIONS.

2/ CRABS AVERAGED 23.9 POUNDS PER DOZEN.

PACIFIC COAST FISHERIES

OREGON

LANDINGS BY DISTRICTS, 1969

SPECIES	COLUMBIA RIVER		COASTAL	
	POUNDS	VALUE	POUNDS	VALUE
COD	39,900	$2,193	10,000	$500
FLOUNDERS:				
"SOLE"	7,088,200	509,724	6,321,700	453,804
OTHER	412,300	15,297	47,700	2,365
HALIBUT	29,500	7,695	117,300	29,047
HERRING, SEA	-	-	84,000	12,600
LINGCOD	888,100	48,710	402,600	22,665
OCEAN PERCH	317,500	17,463	626,500	29,442
PERCH	300	28	1,200	120
ROCKFISHES	3,302,100	181,176	2,757,600	132,372
SABLEFISH	339,000	37,395	474,300	51,300
SALMON:				
CHINOOK OR KING	3,961,700	1,497,350	1,273,500	677,525
CHUM OR KETA	2,800	580	-	-
PINK	10,300	2,160	288,300	62,842
RED OR SOCKEYE	71,400	28,264	-	-
SILVER OR COHO	1,614,700	554,962	3,326,400	1,397,078
TOTAL SALMON	5,660,900	2,083,316	4,888,200	2,137,445
SHAD	125,900	10,000	427,400	59,830
SHARKES, GRAYFISH	54,600	818	100	2
SKATES	71,700	1,952	202,200	5,460
SMELT:				
EULACHON	57,000	12,000	-	-
SURF OR SILVER	-	-	5,800	578
STEELHEAD TROUT	383,000	118,732	-	-
STRIPED BASS	-	-	38,600	6,178
STURGEON, COMMON	281,400	47,189	1,800	72
TUNA:				
ALBACORE	22,157,900	4,985,525	7,669,700	1,629,804
SKIPJACK	112,400	15,845	-	-
YELLOWFIN	1,259,300	209,050	-	-
TOTAL TUNA	23,529,600	5,210,420	7,669,700	1,629,804
TOTAL FISH	42,581,000	8,304,108	24,076,700	4,573,584
SHELLFISH, ETC.				
CRABS, DUNGENESS 1/	3,941,500	990,000	5,842,500	1,665,125
CRAWFISH, FRESH-WATER	5,300	3,000	-	-
SHRIMP, OCEAN	2,682,100	295,000	7,586,400	948,300
CLAMS:				
RAZOR 2/	-	-	10,600	14,000
MIXED 3/	-	-	4,600	4,400
TOTAL CLAMS	-	-	15,200	18,400
OCTOPUS	-	-	900	89
OYSTERS, MARKET 4/:				
PACIFIC	-	-	497,100	197,000
WESTERN	-	-	1,500	4,750
TOTAL OYSTERS	-	-	498,600	201,750
TOTAL SHELLFISH, ETC.	6,628,900	1,288,000	13,943,600	2,833,664
GRAND TOTAL	49,209,900	9,592,108	38,020,300	7,407,248

1/ BASED ON AN AVERAGE OF 25 POUNDS PER DOZEN.
2/ BASED ON A YIELD OF 42 PERCENT MEATS.
3/ PRINCIPALLY EASTERN SOFT CLAMS. BASED ON A YIELD OF 21 PERCENT MEATS.
4/ BASED ON A YIELD OF 12 PERCENT MEATS FOR PACIFIC OYSTERS AND 18 PERCENT FOR WESTERN OR NATIVE OYSTERS.

COLUMBIA RIVER DISTRICT OF OREGON
OPERATING UNITS, 1969

ITEM	PURSE SEINES, TUNA	OTTER TRAWLS		POTS		GILL NETS	
		FISH	SHRIMP	CRAB	CRAWFISH	ANCHOR, SET OR STAKE 1/	DRIFT
							SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	14	97	47	121	-	-	9
ON BOATS AND SHORE, REGULAR.	-	-	-	18	8	95	585
TOTAL	14	97	47	139	8	95	594
VESSELS, MOTOR.	1	25	13	49	-	-	6
GROSS TONNAGE	864	1,503	729	1,059	-	-	66
BOATS:							
MOTOR	1	-	-	9	6	75	534
OTHER	-	-	-	-	-	10	-
GEAR:							
NUMBER.	1	25	14	14,000	250	85	540
LENGTH, YARDS	1,200	-	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	-	35,000	1,650,000
YARDS AT MOUTH.	-	560	247	-	-	-	-

ITEM	GILL NETS-CONTINUED	LINES				DIP NETS, COMMON 1/	TOTAL, EXCLUSIVE OF DUPLICATION
	DRIFT-CONTINUED	HAND	TROLL		LONG OR SET WITH HOOKS		
	SMELT		SALMON	TUNA			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	228	233	1,071	15	-	1,537
ON BOATS AND SHORE, REGULAR.	25	-	114	9	-	30	834
TOTAL	25	228	347	1,080	15	30	2,371
VESSELS, MOTOR.	-	38	123	445	4	-	573
GROSS TONNAGE	-	3,512	2,198	12,390	116	-	18,991
BOATS:							
MOTOR	25	23	95	6	-	-	739
OTHER	-	-	-	-	-	-	10
GEAR:							
NUMBER.	25	222	1,040	4,217	105	30	-
SQUARE YARDS.	22,000	-	-	-	-	-	-
HOOKS OR BAITS.	-	222	4,750	4,217	9,800	-	-

1/ OPERATED ON INDIAN RESERVATIONS.

COLUMBIA RIVER DISTRICT OF OREGON
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES, TUNA		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	39,300	$2,160	600	$33
FLOUNDERS:						
"SOLE".	-	-	7,052,100	507,099	36,100	2,625
OTHER	-	-	260,700	12,552	500	25
LINGCOD	-	-	841,800	46,216	27,800	1,530
OCEAN PERCH	-	-	317,500	17,463	-	-
PERCH	-	-	300	28	-	-
ROCKFISHES.	-	-	3,138,700	172,215	93,200	5,126
SABLEFISH	-	-	59,500	2,862	6,100	503
SHARKS, GRAYFISH.	-	-	54,600	818	-	-
SKATES.	-	-	71,700	1,952	-	-
STURGEON, COMMON.	-	-	5,700	245	-	-
TUNA:						
SKIPJACK.	5,000	$700	-	-	-	-
YELLOWFIN	1,247,100	207,020	-	-	-	-
SHRIMP, OCEAN	-	-	-	-	2,682,100	295,000
TOTAL	1,252,100	207,720	11,841,900	763,610	2,846,400	304,842

(CONTINUED ON NEXT PAGE)

PACIFIC COAST FISHERIES

COLUMBIA RIVER DISTRICT OF OREGON
LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS				GILL NETS	
	CRAB		CRAWFISH		ANCHOR, SET OR STAKE 1/	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SALMON:						
CHINOOK OR KING	-	-	-	-	307,800	$95,000
RED OR SOCKEYE.	-	-	-	-	17,600	7,000
SILVER OR COHO.	-	-	-	-	16,300	5,000
SHAD.	-	-	-	-	1,800	100
STEELHEAD TROUT	-	-	-	-	69,800	21,000
STURGEON, COMMON.	-	-	-	-	5,400	1,000
CRABS, DUNGENESS.	3,941,500	$990,000	-	-	-	-
CRAWFISH, FRESH-WATER . . .	-	-	5,300	$3,000	-	-
TOTAL	3,941,500	990,000	5,300	3,000	418,700	129,100

SPECIES	GILL NETS - CONTINUED				LINES	
	DRIFT				HAND	
	SALMON AND SHAD		SMELT		ALBACORE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, OTHER.	151,100	$2,720	-	-	-	-
SALMON:						
CHINOOK OR KING	3,514,000	1,335,315	-	-	-	-
CHUM OR KETA.	2,800	580	-	-	-	-
RED OR SOCKEYE.	53,800	21,264	-	-	-	-
SILVER OR COHO.	1,277,500	415,187	-	-	-	-
SHAD.	124,100	9,900	-	-	-	-
SMELT, EULACHON	-	-	57,000	$12,000	-	-
STEELHEAD TROUT	313,100	97,692	-	-	-	-
STURGEON, COMMON.	270,300	45,944	-	-	-	-
TUNA, ALBACORE.	-	-	-	-	6,000,000	$1,350,000
TOTAL	5,706,700	1,928,602	57,000	12,000	6,000,000	1,350,000

SPECIES	LINES - CONTINUED					
	HAND - CONTINUED		TROLL			
	YELLOWFIN		SALMON		TUNA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	-	-	1,400	$311	-	-
LINGCOD	-	-	18,200	947	-	-
ROCKFISHES.	-	-	5,300	265	-	-
SALMON:						
CHINOOK OR KING	-	-	108,100	57,535	-	-
PINK.	-	-	10,300	2,160	-	-
SILVER OR COHO.	-	-	320,900	134,775	-	-
STEELHEAD TROUT	-	-	100	40	-	-
TUNA:						
ALBACORE.	-	-	-	-	16,157,900	$3,635,525
SKIPJACK.	107,400	$15,145	-	-	-	-
YELLOWFIN	12,200	2,030	-	-	-	-
TOTAL	119,600	17,175	464,300	196,033	16,157,900	3,635,525

SPECIES	LINES - CONTINUED		DIP NETS, COMMON 1/	
	LONG OR SET WITH HOOKS			
	POUNDS	VALUE	POUNDS	VALUE
HALIBUT	28,100	$7,384	-	-
LINGCOD	300	17	-	-
ROCKFISHES.	64,900	3,570	-	-
SABLEFISH	273,400	34,030	-	-
SALMON, CHINOOK OR KING . .	-	-	31,800	$9,500
TOTAL	366,700	45,001	31,800	9,500

1/ FISHED ONLY ON INDIAN RESERVATIONS.

NOTE:--THE FOLLOWING SPECIES LANDED IN THE COLUMBIA RIVER DISTRICT WERE CAUGHT OFF THE COAST: COD, "SOLE", HALIBUT, LINGCOD, PERCH, OCEAN PERCH, ROCKFISHES, SABLEFISH, SHARKS, SKATES, TUNA, CRAB, SHRIMP, FLOUNDERS AND STURGEON CAUGHT BY OTTER TRAWLS, AND MOST OF THE SALMON CAUGHT BY TROLLERS. SKIPJACK AND YELLOWFIN TUNA WERE TAKEN IN TROPICAL WATERS.

COASTAL DISTRICT OF OREGON - OPERATING UNITS, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS, CRAB	GILL NETS		LINES
		FISH	SHRIMP		ANCHOR, SET OR STAKE	DRIFT	HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	99	152	267	-	-	40
ON BOATS AND SHORE, REGULAR.	9	-	-	50	20	44	-
TOTAL	9	99	152	317	20	44	40
VESSELS, MOTOR.	-	29	48	107	-	-	9
GROSS TONNAGE	-	1,154	1,587	2,395	-	-	391
BOATS:							
MOTOR	3	-	-	34	19	42	6
OTHER	2	-	-	-	-	-	-
GEAR:							
NUMBER.	3	29	48	34,000	84	42	40
LENGTH, YARDS	300	-	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	21,000	84,000	-
YARDS AT MOUTH.	-	667	909	-	-	-	-
HOOKS OR BAITS.	-	-	-	-	-	-	40

ITEM	LINES - CONTINUED			DREDGES, OYSTER, COMMON	SHOVELS	BY HAND, OYSTER	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL		LONG OR SET WITH HOOKS				
	SALMON	TUNA					
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	1,134	1,082	27	7	-	-	1,851
ON BOATS AND SHORE, REGULAR.	990	90	-	-	125	25	1,223
TOTAL	2,124	1,172	27	7	125	25	3,074
VESSELS, MOTOR.	598	472	9	3	-	-	831
GROSS TONNAGE	10,423	10,673	246	43	-	-	17,776
BOATS:							
MOTOR	900	64	-	-	-	4	987
OTHER	-	-	-	-	-	4	6
GEAR:							
NUMBER.	6,600	4,720	158	6	125	-	-
YARDS AT MOUTH.	-	-	-	12	-	-	-
HOOKS OR BAITS.	28,500	4,720	15,720	-	-	-	-

COASTAL DISTRICT OF OREGON LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS			
			FISH		SHRIMP	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
COD	-	-	10,000	$500	-	-
FLOUNDERS:						
"SOLE".	-	-	6,219,900	449,289	100,500	$4,381
OTHER	-	-	46,900	2,323	600	32
HERRING, SEA.	84,000	$12,600	-	-	-	-
LINGCOD	-	-	264,400	13,219	11,600	581
OCEAN PERCH	-	-	625,600	29,400	900	42
PERCH	1,200	120	-	-	-	-
ROCKFISHES.	-	-	2,061,600	98,307	361,800	17,218
SABLEFISH	-	-	183,200	12,943	5,500	405
SHARKS, GRAYFISH.	-	-	100	2	-	-
SKATES.	-	-	185,200	5,000	17,000	460
SMELT, SURF OR SILVER . . .	5,800	578	-	-	-	-
STURGEON, COMMON.	-	-	1,800	72	-	-
SHRIMP, OCEAN	-	-	-	-	7,586,400	948,300
OCTOPUS	-	-	900	89	-	-
TOTAL	91,000	13,298	9,599,600	611,144	8,084,300	971,419

(CONTINUED ON NEXT PAGE)

COASTAL DISTRICT OF OREGON

LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	POTS, CRAB		GILL NETS			
			ANCHOR, SET OR STAKE		DRIFT	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHAD	-	-	100,000	$14,000	327,400	$45,830
STRIPED BASS	-	-	15,000	2,400	23,600	3,778
CRABS, DUNGENESS 1/	5,842,500	$1,665,125	-	-	-	-
TOTAL	5,842,500	1,665,125	115,000	16,400	351,000	49,608

SPECIES	LINES					
	HAND		TROLL			
			SALMON		TUNA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS:						
"SOLE"	-	-	1,200	$123	-	-
OTHER	-	-	200	10	-	-
HALIBUT	-	-	81,100	19,522	-	-
LINGCOD	-	-	122,300	8,565	-	-
ROCKFISHES	-	-	306,800	15,340	-	-
SALMON:						
CHINOOK OR KING	-	-	1,273,500	677,525	-	-
PINK	-	-	288,300	62,842	-	-
SILVER OR COHO	-	-	3,326,400	1,397,078	-	-
TUNA, ALBACORE	500,000	$106,250	-	-	7,169,700	$1,523,554
TOTAL	500,000	106,250	5,399,800	2,181,005	7,169,700	1,523,554

SPECIES	LINES - CONTINUED		DREDGES, OYSTER AND BY HAND		SHOVELS	
	LONG OR SET WITH HOOKS					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLOUNDERS, "SOLE"	100	$11	-	-	-	-
HALIBUT	36,200	9,525	-	-	-	-
LINGCOD	4,300	300	-	-	-	-
ROCKFISHES	27,400	1,507	-	-	-	-
SABLEFISH	285,600	37,952	-	-	-	-
CLAMS:						
RAZOR 2/	-	-	-	-	10,600	$14,000
MIXED 3/	-	-	-	-	4,600	4,400
OYSTERS, MARKET: 4/						
PACIFIC	-	-	497,100	$197,000	-	-
WESTERN	-	-	1,500	4,750	-	-
TOTAL	353,600	49,295	498,600	201,750	15,200	18,400

1/ CRAB CONVERSIONS ARE BASED ON AN AVERAGE OF 25 POUNDS PER DOZEN.

2/ BASED ON A YIELD OF 42 PERCENT MEATS.

3/ PRINCIPALLY EASTERN SOFT CLAMS. BASED ON A YIELD OF 21 PERCENT MEATS.

4/ OYSTER MEATS. SHELL WEIGHT IS CALCULATED ON A YIELD OF 12 PERCENT MEATS FOR PACIFIC OYSTERS AND 18 PERCENT FOR WESTERN OR NATIVE OYSTERS.

PACIFIC COAST FISHERIES

CALIFORNIA

LANDINGS BY DISTRICTS, 1969

SPECIES	NORTHERN		SAN FRANCISCO		MONTEREY	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	2,000	$200	95,100	$8,359	5,532,900	$69,065
BONITO	1,600	186	8,300	765	14,100	758
CABEZONE	200	4	-	-	17,500	975
CARP	-	-	298,100	21,207	-	-
FLOUNDERS:						
ARROWTOOTH HALIBUT	4,700	206	5,300	293	-	-
CALIFORNIA HALIBUT	100	22	90,200	22,999	24,200	6,593
SAND DABS	361,500	35,812	195,800	18,026	137,700	10,823
"SOLE":						
DOVER	12,274,100	882,785	582,200	38,468	39,600	2,524
ENGLISH	1,833,600	171,450	1,084,100	92,052	455,600	39,144
PETRALE	1,879,800	268,388	524,500	76,840	250,800	39,139
REX	1,884,000	183,438	191,600	18,285	83,400	6,773
SAND	43,200	4,325	134,500	15,622	25,500	3,199
UNCLASSIFIED	100	12	3,600	360	7,600	763
OTHER	144,000	7,222	181,300	11,871	42,200	3,493
HAKE	-	-	25,700	515	-	-
HARDHEAD	-	-	10,100	2,010	-	-
HERRING, SEA	-	-	27,400	7,131	143,100	8,628
JACK MACKEREL	-	-	-	-	448,800	19,129
KING CROAKER	-	-	19,400	1,192	118,400	7,989
LINGCOD	857,200	78,338	168,900	13,232	40,200	5,015
PERCH	39,700	7,221	28,500	10,277	18,900	3,428
POMPANO	-	-	100	40	46,500	16,925
ROCKFISHES	3,220,900	183,768	608,500	47,018	2,055,100	157,773
SABLEFISH	2,428,600	199,147	208,200	10,978	1,517,600	99,633
SALMON:						
CHINOOK OR KING	2,318,700	1,493,915	1,561,800	1,041,502	796,000	544,232
SILVER OR COHO	1,040,900	489,223	160,200	76,896	25,700	12,850
TOTAL SALMON	3,359,600	1,983,138	1,722,000	1,118,398	821,700	557,082
SEA BASS, WHITE	-	-	100	45	29,100	9,084
SHARKS, UNCLASSIFIED	5,100	258	60,100	3,088	55,700	2,151
SKATES	17,300	207	20,700	256	67,200	809
SMELT	148,300	10,697	68,700	8,517	36,400	4,420
TUNA:						
ALBACORE	4,686,200	937,734	704,900	141,244	900,700	184,536
SKIPJACK	-	-	100	12	-	-
TOTAL TUNA	4,686,200	937,734	705,000	141,256	900,700	184,536
TURBOT	1,100	95	20,300	997	400	19
WHITEBAIT	153,400	15,435	8,000	1,127	-	-
UNCLASSIFIED:						
FOR FOOD	600	30	259,600	77,558	-	-
FOR BAIT AND ANIMAL FOOD	1,956,100	39,119	-	-	400	16
TOTAL FISH	35,303,000	5,009,237	7,355,900	1,768,782	12,931,300	1,259,886
SHELLFISH, ETC.						
CRABS:						
DUNGENESS	6,662,000	1,795,021	1,273,500	498,442	3,400	1,431
ROCK	-	-	-	-	600	32
TOTAL CRABS	6,662,000	1,795,021	1,273,500	498,442	4,000	1,463
SHRIMP, OCEAN	2,947,600	412,652	8,000	1,633	5,100	4,705
ABALONE 1/	-	-	4,400	7,745	100	45
OCTOPUS	2,200	88	1,800	84	700	110
OYSTERS, MARKET:						
EASTERN 2/	-	-	16,900	50,258	-	-
PACIFIC 3/	350,800	81,551	222,800	51,811	-	-
TOTAL OYSTERS	350,800	81,551	239,700	102,069	-	-
SQUID	-	-	-	-	11,560,200	388,107
TOTAL SHELLFISH, ETC.	9,962,600	2,289,312	1,527,400	609,973	11,570,100	394,430
WHALE PRODUCTS						
MEAL	-	-	1,688,400	101,237	-	-
MEAT	-	-	1,368,000	123,157	-	-
OIL:						
SPERM	-	-	409,100	25,187	-	-
WHALE	-	-	1,327,100	78,702	-	-
TOTAL WHALE PRODUCTS	-	-	4,792,600	328,283	-	-
GRAND TOTAL	45,265,600	7,298,549	13,675,900	2,707,038	24,501,400	1,654,316

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

CALIFORNIA - LANDINGS BY DISTRICTS, 1969 - Continued

SPECIES	SANTA BARBARA		SAN PEDRO		SAN DIEGO	
FISH	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	19,861,400	$202,322	109,777,700	$1,072,059	8,600	$825
BARRACUDA	-	-	55,000	12,593	19,600	4,287
BONITO	947,800	40,488	14,490,000	676,676	1,740,000	86,353
CABEZONE	8,100	299	-	-	-	-
CABRILLA	-	-	3,900	702	1,900	371
FLOUNDERS:						
CALIFORNIA HALIBUT	51,600	17,968	71,100	24,834	37,100	12,678
SAND DABS	1,000	97	500	102	-	-
"SOLE":						
DOVER	23,100	1,408	-	-	-	-
ENGLISH	430,700	31,779	-	-	-	-
PETRALE	212,000	29,756	-	-	-	-
REX	100,200	9,283	-	-	-	-
SAND	600	75	-	-	-	-
UNCLASSIFIED	4,700	505	200	36	900	237
OTHER	7,300	587	-	-	-	-
FLYING FISH	-	-	99,800	14,972	-	-
GROUPERS	-	-	188,900	45,805	66,200	16,562
HAKE	1,300	26	-	-	-	-
HALFMOON	-	-	14,500	3,429	12,500	2,689
JACK MACKEREL	2,803,900	105,164	48,668,500	1,842,725	-	-
KING CROAKER	8,500	219	376,400	31,421	2,800	339
LINGCOD	46,800	4,851	100	14	300	33
MACKEREL, PACIFIC	6,800	297	2,339,300	120,894	11,100	933
OPALEYE	-	-	11,100	2,273	4,800	1,045
PERCH	24,700	5,781	21,700	5,105	23,000	3,912
POMPANO	1,100	118	169,100	30,151	200	36
ROCKFISHES	2,496,700	160,918	624,300	109,606	221,900	35,166
SABLEFISH	1,400	62	200	69	800	159
SALMON:						
CHINOOK OR KING	239,900	180,665	-	-	-	-
SILVER OR COHO	7,700	3,850	-	-	-	-
TOTAL SALMON	247,600	184,515	-	-	-	-
SARDINE, PACIFIC	-	-	82,900	9,218	22,400	4,817
SCULPIN	600	73	10,100	3,650	104,800	29,476
SEA BASS:						
BLACK	1,100	180	126,200	24,061	27,500	5,465
WHITE	48,200	17,563	839,400	265,641	181,900	59,101
SHARKS, UNCLASSIFIED	120,600	12,482	73,100	9,669	163,600	24,540
SHEEPSHEAD	400	32	5,100	500	7,800	903
SKATES	900	63	-	-	-	-
SMELT	200	9	159,800	6,508	100	6
SWORDFISH	202,800	96,747	624,100	318,794	204,700	95,034
TUNA:						
ALBACORE	1,196,400	245,799	5,818,100	1,308,537	1,416,100	318,254
BLUEFIN	-	-	11,176,200	1,784,220	4,058,500	620,858
SKIPJACK	-	-	34,241,500	4,566,643	11,672,900	1,592,890
YELLOWFIN	-	-	160,392,200	25,879,754	43,999,400	7,113,396
TOTAL TUNA	1,196,400	245,799	211,628,000	33,539,154	61,146,900	9,645,398
TURBOT	3,200	258	-	-	-	-
WHITEFISH	-	-	3,200	407	1,300	111
YELLOWTAIL	-	-	199,800	24,777	34,400	3,710
UNCLASSIFIED:						
FOR FOOD	-	-	100	9	100	13
FOR BAIT AND ANIMAL FOOD	455,500	9,111	246,500	6,259	-	-
TOTAL FISH	29,317,200	1,178,835	390,910,600	38,202,113	64,047,200	10,034,199
SHELLFISH, ETC.						
CRABS:						
DUNGENESSS	100	47	-	-	-	-
ROCK	196,000	17,345	300,900	37,607	2,200	164
TOTAL CRABS	196,100	17,392	300,900	37,607	2,200	164
LOBSTER, SPINY	99,300	102,400	127,300	144,522	82,900	99,811
ABALONE 1/	368,300	589,204	255,800	415,426	103,000	148,527
OYSTERS, MARKET, PACIFIC 3/	122,500	28,479	-	-	-	-
SQUID	3,036,200	43,109	6,183,000	124,210	-	-
MOLLUSKS, UNCLASSIFIED	6,600	18,704	-	-	-	-
TOTAL SHELLFISH, ETC.	3,829,000	799,288	6,867,000	721,765	188,100	248,502
GRAND TOTAL	33,146,200	1,978,123	397,777,600	38,923,878	64,235,300	10,282,701

1/ BASED ON A YIELD OF 20 PERCENT MEATS.
2/ BASED ON A YIELD OF 14 PERCENT MEATS.
3/ BASED ON A YIELD OF 12 PERCENT MEATS.

CALIFORNIA - LANDINGS BY WATERS, 1969

SPECIES	OFF UNITED STATES		OFF LATIN AMERICA	
	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	135,277,700	$1,352,830	-	-
BARRACUDA	70,800	16,020	3,800	$860
BONITO	13,174,500	616,749	4,027,300	188,477
CABEZONE	25,800	1,278	-	-
CABRILLA	-	-	5,800	1,073
CARP	298,100	21,207	-	-
FLOUNDERS:				
ARROWTOOTH HALIBUT	10,000	499	-	-
CALIFORNIA HALIBUT	272,400	84,505	1,900	589
SAND DABS	696,500	64,860	-	-
"SOLE":				
DOVER	12,919,000	925,185	-	-
ENGLISH	3,804,000	334,425	-	-
PETRALE	2,867,100	414,123	-	-
REX	2,259,200	217,779	-	-
SAND	203,800	23,221	-	-
UNCLASSIFIED	17,000	1,900	100	13
OTHER	374,800	23,173	-	-
FLYING FISH	99,800	14,972	-	-
GROUPERS	-	-	255,100	62,367
HAKE	27,000	541	-	-
HALFMOON	26,800	6,070	200	48
HARDHEAD	10,100	2,010	-	-
HERRING, SEA	170,500	15,759	-	-
JACK MACKEREL	51,921,200	1,967,018	-	-
KING CROAKER	525,500	41,160	-	-
LINGCOD	1,113,500	101,483	-	-
MACKEREL, PACIFIC	2,357,200	122,124	-	-
OPALEYE	15,800	3,297	100	21
PERCH	154,900	35,359	1,600	365
POMPANO	216,800	47,228	200	42
ROCKFISHES	9,070,900	682,481	156,500	11,768
SABLEFISH	4,156,800	310,048	-	-
SALMON:				
CHINOOK OR KING	4,916,400	3,260,314	-	-
SILVER OR COHO	1,234,500	582,819	-	-
SARDINE, PACIFIC	105,300	14,035	-	-
SCULPIN	74,200	21,329	41,300	11,870
SEA BASS:				
BLACK	7,700	1,477	147,100	28,229
WHITE	250,900	80,238	847,800	271,196
SHARKS, UNCLASSIFIED	452,300	49,362	25,900	2,826
SHEEPSHEAD	12,500	1,348	800	87
SKATES	106,100	1,335	-	-
SMELT	413,500	30,157	-	-
SWORDFISH	1,024,500	507,061	7,100	3,514
TUNA:				
ALBACORE	14,189,200	3,022,532	533,200	113,572
BLUEFIN	798,000	125,980	14,436,700	2,279,098
SKIPJACK	74,200	9,954	45,840,300	6,149,591
YELLOWFIN	800	129	204,390,800	32,993,021
TURBOT	25,000	1,369	-	-
WHITEBAIT	161,400	16,562	-	-
WHITEFISH	2,100	276	2,100	242
YELLOWTAIL	11,800	1,435	222,400	27,052
UNCLASSIFIED:				
FOR FOOD	260,400	77,610	-	-
FOR BAIT AND ANIMAL FOOD	2,658,500	54,505	-	-
CRABS:				
DUNGENESS	7,939,000	2,294,941	-	-
ROCK	499,700	55,148	-	-
LOBSTER, SPINY	309,500	346,733	-	-
SHRIMP	2,960,700	418,990	-	-
ABALONE	731,600	1,160,947	-	-
OCTOPUS	4,700	282	-	-
OYSTERS, MARKET:				
EASTERN	16,900	50,258	-	-
PACIFIC	696,100	161,841	-	-
SQUID	20,779,400	555,426	-	-
MOLLUSKS, UNCLASSIFIED	6,600	18,704	-	-
WHALE PRODUCTS:				
MEAL	1,688,400	101,237	-	-
MEAT	1,368,000	123,157	-	-
OIL:				
SPERM	409,100	25,187	-	-
WHALE	1,327,100	78,702	-	-
TOTAL	307,653,900	20,698,684	270,948,100	42,145,921

NORTHERN DISTRICT OF CALIFORNIA - OPERATING UNITS, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS		POTS AND TRAPS		LINES
						HAND
		FISH	SHRIMP	CRAB	OCTOPUS	ALBACORE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	141	105	787	-	9
ON BOATS AND SHORE, REGULAR.	9	-	-	114	2	2
TOTAL	9	141	105	901	2	11
VESSELS, MOTOR.	-	47	35	270	-	3
GROSS TONNAGE	-	2,089	1,502	5,363	-	120
BOATS, MOTOR.	3	-	-	57	1	1
GEAR:						
NUMBER.	3	47	35	31,316	30	11
LENGTH, YARDS	1,200	-	-	-	-	-
YARDS AT MOUTH.	-	1,269	525	-	-	-
HOOKS OR BAITS.	-	-	-	-	-	11

ITEM	LINES - CONTINUED					
	HAND - CONTINUED		TROLL			LONG OR SET WITH HOOKS
	ROCKFISH	OTHER	SALMON	ALBACORE	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	3	3	2,449	2,487	24	29
ON BOATS AND SHORE, REGULAR.	8	4	1,802	208	12	4
TOTAL	11	7	4,251	2,695	36	33
VESSELS, MOTOR.	1	1	851	856	8	10
GROSS TONNAGE	19	14	17,981	18,585	186	222
BOATS, MOTOR.	4	2	901	104	6	2
GEAR:						
NUMBER.	11	7	10,512	8,640	126	120
HOOKS OR BAITS.	22	14	42,048	8,640	126	12,000

ITEM	DREDGES, OYSTER		TONGS, OYSTER	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	COMMON	SUCTION			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	-	-	-	3,048
ON BOATS AND SHORE, REGULAR.	4	3	20	12	1,928
TOTAL	4	3	20	12	4,976
VESSELS, MOTOR.	-	-	-	-	1,053
GROSS TONNAGE	-	-	-	-	23,941
BOATS, MOTOR.	2	1	10	6	962
GEAR:					
NUMBER.	2	1	20	-	-
YARDS AT MOUTH.	2	-	-	-	-

PACIFIC COAST FISHERIES

NORTHERN DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	2,000	$200	-	-	-	-
FLOUNDERS:						
ARROWTOOTH HALIBUT. . . .	-	-	4,700	$206	-	-
SAND DABS	-	-	361,500	35,812	-	-
"SOLE":						
DOVER	-	-	12,273,900	882,770	-	-
ENGLISH	-	-	1,833,400	171,430	-	-
PETRALE	-	-	1,879,600	268,358	-	-
REX	-	-	1,884,000	183,438	-	-
SAND.	-	-	43,200	4,325	-	-
OTHER	-	-	144,000	7,222	-	-
LINGCOD	-	-	633,900	58,024	-	-
PERCH	38,600	7,078	1,100	143	-	-
ROCKFISHES.	-	-	2,932,400	167,309	-	-
SABLEFISH	-	-	1,750,700	143,559	-	-
SALMON:						
CHINOOK OR KING	-	-	1,100	704	-	-
SILVER OR COHO.	-	-	900	423	-	-
SHARKS, UNCLASSIFIED. . . .	-	-	5,000	250	-	-
SKATES.	-	-	100	1	-	-
SMELT	148,300	10,697	-	-	-	-
TURBOT.	-	-	1,100	95	-	-
WHITEBAIT	153,400	15,435	-	-	-	-
UNCLASSIFIED:						
FOR FOOD.	-	-	100	5	-	-
FOR BAIT AND ANIMAL FOOD.	100	2	1,956,000	39,117	-	-
CRABS, DUNGENESS.	-	-	26,900	7,246	6,635,100	$1,787,775
SHRIMP, OCEAN	-	-	2,947,600	412,652	-	-
OCTOPUS	-	-	1,900	76	300	12
TOTAL	342,400	33,412	28,683,100	2,383,165	6,635,400	1,787,787

SPECIES	LINES		DREDGES		TONGS AND BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BONITO.	1,600	$186	-	-	-	-
CABEZONE.	200	4	-	-	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT. . . .	100	22	-	-	-	-
"SOLE":						
DOVER	200	15	-	-	-	-
ENGLISH	200	20	-	-	-	-
PETRALE	200	30	-	-	-	-
UNCLASSIFIED.	100	12	-	-	-	-
LINGCOD	223,300	20,314	-	-	-	-
ROCKFISHES.	288,500	16,459	-	-	-	-
SABLEFISH	677,900	55,588	-	-	-	-
SALMON:						
CHINOOK OR KING	2,317,600	1,493,211	-	-	-	-
SILVER OR COHO.	1,040,000	488,800	-	-	-	-
SHARKS, UNCLASSIFIED. . . .	100	8	-	-	-	-
SKATES.	17,200	206	-	-	-	-
TUNA, ALBACORE.	4,686,200	937,734	-	-	-	-
UNCLASSIFIED, FOR FOOD. . .	500	25	-	-	-	-
OYSTERS, MARKET, PACIFIC. .	-	-	315,700	$73,391	35,100	$8,160
TOTAL	9,253,900	3,012,634	315,700	73,391	35,100	8,160

PACIFIC COAST FISHERIES

SAN FRANCISCO DISTRICT OF CALIFORNIA
OPERATING UNITS, 1969

ITEM	HAUL SEINES, COMMON	PURSE SEINES			OTTER TRAWLS
		ANCHOVY	TUNA	OTHER	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	-	4	12	6	45
ON BOATS AND SHORE, REGULAR	9	-	-	15	12
TOTAL	9	4	12	21	57
VESSELS, MOTOR	-	1	1	2	15
GROSS TONNAGE	-	13	464	24	611
BOATS, MOTOR	3	1	2	5	4
GEAR:					
NUMBER	3	1	1	7	19
LENGTH, YARDS	1,200	425	800	2,200	-
YARDS AT MOUTH	-	-	-	-	513

ITEM	OTTER TRAWLS—CONTINUED	POTS AND TRAPS		GILL NETS, DRIFT	TRAMMEL NETS
	SHRIMP	CRAB	FISH		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	9	396	-	6	6
ON BOATS AND SHORE, REGULAR	-	78	6	15	9
TOTAL	9	474	6	21	15
VESSELS, MOTOR	3	138	-	2	2
GROSS TONNAGE	52	2,602	-	31	22
BOATS, MOTOR	-	39	6	5	3
GEAR:					
NUMBER	3	16,671	390	7	5
SQUARE YARDS	-	-	-	22,600	25,100
YARDS AT MOUTH	45	-	-	-	-

ITEM	LINES				
	HAND		TROLL		LONG OR SET WITH HOOKS
	ROCKFISH	OTHER	SALMON	ALBACORE	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	6	3	1,370	1,048	17
ON BOATS AND SHORE, REGULAR	12	18	754	52	-
TOTAL	18	21	2,124	1,100	17
VESSELS, MOTOR	2	1	483	366	6
GROSS TONNAGE	53	32	8,963	7,195	113
BOATS, MOTOR	6	4	377	26	-
GEAR:					
NUMBER	18	11	5,160	3,528	60
HOOKS OR BAITS	36	22	20,640	3,528	6,000

ITEM	HARPOONS, WHALE	DREDGES, OYSTER, COMMON	TONGS, OYSTER	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	14	-	-	-	1,674
ON BOATS AND SHORE, REGULAR	-	4	10	6	868
TOTAL	14	4	10	6	2,542
VESSELS, MOTOR	3	-	-	-	582
GROSS TONNAGE	187	-	-	-	12,450
BOATS, MOTOR	-	2	5	3	430
GEAR:					
NUMBER	3	2	10	3	-
YARDS AT MOUTH	-	2	-	-	-

SAN FRANCISCO DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		PURSE SEINES		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	-	-	95,100	$8,359	-	-
BONITO	-	-	8,300	765	-	-
CARP	200,000	$14,000	-	-	-	-
FLOUNDERS:						
ARROWTOOTH HALIBUT	-	-	-	-	5,300	$293
CALIFORNIA HALIBUT	-	-	-	-	57,500	14,499
SAND DABS	-	-	-	-	195,800	18,026
"SOLE":						
DOVER	-	-	-	-	582,200	38,468
ENGLISH	-	-	-	-	1,084,100	92,052
PETRALE	-	-	-	-	524,500	76,840
REX	-	-	-	-	191,600	18,285
SAND	-	-	-	-	134,500	15,622
UNCLASSIFIED	-	-	-	-	3,600	360
OTHER	-	-	-	-	178,200	11,668
HAKE	-	-	-	-	25,700	515
HARDHEAD	7,100	1,410	-	-	-	-
HERRING, SEA	10,400	2,704	17,000	4,427	-	-
KING CROAKER	1,000	62	-	-	18,000	1,105
LINGCOD	-	-	-	-	162,900	12,762
PERCH	28,300	10,270	-	-	200	7
POMPANO	-	-	-	-	100	40
ROCKFISHES	-	-	-	-	501,900	38,778
SABLEFISH	-	-	-	-	207,400	10,930
SALMON:						
CHINOOK OR KING	-	-	-	-	100	66
SILVER OR COHO	-	-	-	-	100	47
SHARKS, UNCLASSIFIED	-	-	-	-	25,100	1,292
SKATES	-	-	-	-	20,700	256
SMELT	27,700	3,434	41,000	5,083	-	-
TUNA, SKIPJACK	-	-	100	12	-	-
TURBOT	-	-	-	-	20,300	997
WHITEBAIT	3,600	507	4,400	620	-	-
UNCLASSIFIED, FOR FOOD	129,800	38,779	-	-	-	-
CRAB, DUNGENESS	-	-	-	-	11,600	4,540
SHRIMP, OCEAN	-	-	-	-	8,000	1,633
OCTOPUS	-	-	-	-	1,800	84
TOTAL	407,900	71,166	165,900	19,266	3,961,200	359,165

SPECIES	POTS AND TRAPS		GILL NETS AND TRAMMEL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	98,100	$7,207	-	-	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	17,700	$4,600	15,000	$3,900
OTHER	-	-	2,300	151	800	52
HARDHEAD	3,000	600	-	-	-	-
KING CROAKER	-	-	400	25	-	-
LINGCOD	-	-	-	-	6,000	470
ROCKFISHES	-	-	-	-	106,600	8,240
SABLEFISH	-	-	-	-	800	48
SALMON:						
CHINOOK OR KING	-	-	-	-	1,561,700	1,041,436
SILVER OR COHO	-	-	-	-	160,100	76,849
SEA BASS, WHITE	-	-	100	45	-	-
SHARKS, UNCLASSIFIED	-	-	33,000	1,693	2,000	103
TUNA, ALBACORE	-	-	-	-	704,900	141,244
UNCLASSIFIED, FOR FOOD	129,800	38,779	-	-	-	-
CRAB, DUNGENESS	1,261,900	493,902	-	-	-	-
TOTAL	1,492,800	540,488	53,500	6,514	2,557,900	1,272,342

SPECIES	HARPOONS, WHALE		DREDGES, OYSTER, COMMON		TONGS, OYSTER		DIVING OUTFITS, ABALONE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALJE
ABALONE	-	-	-	-	-	-	4,400	$7,745
OYSTERS, MARKET:								
EASTERN	-	-	-	-	16,900	$50,258	-	-
PACIFIC	-	-	44,800	$10,426	178,000	41,385	-	-
WHALE PRODUCTS:								
MEAL	1,688,400	$101,237	-	-	-	-	-	-
MEAT	1,368,000	123,157	-	-	-	-	-	-
OIL:								
SPERM	409,100	25,187	-	-	-	-	-	-
WHALE	1,327,100	78,702	-	-	-	-	-	-
TOTAL	4,792,600	328,283	14,800	10,426	194,900	91,643	4,400	7,745

MONTEREY DISTRICT OF CALIFORNIA - OPERATING UNITS, 1969

ITEM	PURSE SEINES			LAMPARA NETS		OTTER TRAWLS
	ANCHOVY	MACKEREL	OTHER	SQUID	OTHER	FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	11	14	-	20	6	24
ON BOATS AND SHORE, REGULAR	15	3	9	6	-	24
TOTAL	26	17	9	26	6	48
VESSELS, MOTOR	3	3	-	6	1	8
GROSS TONNAGE	71	121	-	127	102	273
BOATS, MOTOR	7	4	3	3	1	8
GEAR:						
NUMBER	8	14	3	8	1	16
LENGTH, YARDS	2,750	1,850	1,085	3,260	450	-
YARDS AT MOUTH	-	-	-	-	-	432

ITEM	OTTER TRAWLS-CONTINUED	POTS AND TRAPS			GILL NETS, DRIFT	
	SHRIMP	CRAB	OCTOPUS	SHRIMP	SEA BASS	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	3	3	-	-	3	6
ON BOATS AND SHORE, REGULAR	-	10	2	2	3	27
TOTAL	3	13	2	2	6	33
VESSELS, MOTOR	1	1	-	-	1	2
GROSS TONNAGE	72	9	-	-	23	32
BOATS, MOTOR	-	5	1	1	1	9
GEAR:						
NUMBER	1	475	35	35	2	11
SQUARE YARDS	-	-	-		6,900	38,700
YARDS AT MOUTH	15	-	-	-	-	-

ITEM	TRAMMEL NETS	LINES				
		HAND			TROLL	
		ALBACORE	ROCKFISH	OTHER	SALMON	ALBACORE
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	6	3	8	3	397	474
ON BOATS AND SHORE, REGULAR	3	2	18	16	410	96
TOTAL	9	5	26	19	807	570
VESSELS, MOTOR	2	1	3	1	135	159
GROSS TONNAGE	27	52	34	13	2,305	3,332
BOATS, MOTOR	1	1	9	8	205	48
GEAR:						
NUMBER	3	5	26	19	2,040	1,863
SQUARE YARDS	15,100	-	-	-	-	-
HOOKS OR BAITS	-	5	52	38	8,160	1,863

ITEM	LINES - CONTINUED		DIP, BRAIL OR SCOOP NETS	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL - CONTINUED	LONG OR SET WITH HOOKS			
	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	6	27	12	-	692
ON BOATS AND SHORE, REGULAR	4	32	2	2	524
TOTAL	10	59	14	2	1,216
VESSELS, MOTOR	2	9	4	-	232
GROSS TONNAGE	28	172	53	-	4,684
BOATS, MOTOR	2	16	1	1	250
GEAR:					
NUMBER	36	250	14	1	-
HOOKS OR BAITS	36	25,000	-	-	-

MONTEREY DISTRICT OF CALIFORNIA LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	5,532,900	$69,065	-	-	-	-
BONITO	12,000	645	-	-	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	6,600	$1,797	-	-
SAND DABS	-	-	137,400	10,800	-	-
"SOLE":						
DOVER	-	-	39,600	2,524	-	-
ENGLISH	-	-	455,600	39,144	-	-
PETRALE	-	-	250,700	39,123	-	-
REX	-	-	83,300	6,765	-	-
SAND	-	-	25,500	3,199	-	-
OTHER	-	-	28,100	2,326	-	-
HERRING, SEA	120,000	7,235	-	-	-	-
JACK MACKEREL	446,400	19,009	2,400	120	-	-
KING CROAKER	22,000	1,485	78,400	5,289	-	-
LINGCOD	-	-	11,100	1,384	-	-
PERCH	8,000	1,450	1,000	183	-	-
POMPANO	35,000	12,670	4,700	1,739	-	-
ROCKFISHES	-	-	1,794,000	137,668	-	-
SABLEFISH	-	-	198,700	13,044		
SALMON:						
CHINOOK OR KING	-	-	200	136	-	-
SILVER OR COHO	-	-	100	50	-	-
SEA BASS, WHITE	-	-	100	32	-	-
SHARKS, UNCLASSIFIED	-	-	16,600	641	-	-
SKATE	-	-	56,700	683	-	-
SMELT	14,400	1,748	-	-	-	-
TURBOT	-	-	400	19	-	-
CRABS:						
DUNGENESS	-	-	100	42	3,300	$1,389
ROCK	-	-	-	-	600	32
SHRIMP, OCEAN	-	-	4,000	3,680	1,100	1,025
OCTOPUS	-	-	-	-	700	110
SQUID	11,329,700	380,383	300	12	-	-
TOTAL	17,520,400	493,690	3,195,600	270,400	5,700	2,556

SPECIES	GILL AND TRAMMEL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE
BONITO	-	-	2,100	$113
CABEZONE	-	-	17,500	975
FLOUNDERS:				
CALIFORNIA HALIBUT	15,000	$4,086	2,600	710
SAND DABS	-	-	300	23
"SOLE":				
PETRALE	-	-	100	16
REX	-	-	100	8
UNCLASSIFIED	5,000	500	2,600	263
OTHER	7,500	621	6,600	546
HERRING, SEA	23,100	1,393	-	-
KING CROAKER	18,000	1,215	-	-
LINGCOD	-	-	29,100	3,631
PERCH	9,900	1,795	-	-
POMPANO	-	-	6,800	2,516
ROCKFISHES	-	-	261,100	20,105
SABLEFISH	-	-	1,318,900	86,589
SALMON:				
CHINOOK OR KING	-	-	795,800	544,096
SILVER OR COHO	-	-	25,600	12,800
SEA BASS, WHITE	24,500	7,648	4,500	1,404
SHARKS, UNCLASSIFIED	38,000	1,466	1,100	44
SKATE	7,000	84	3,500	42
TUNA, ALBACORE	-	-	900,700	184,536
UNCLASSIFIED, FOR BAIT AND ANIMAL FOOD	400	16	-	-
TOTAL	148,400	18,824	3,379,000	858,417

SPECIES	DIP, BRAIL OR SCOOP NETS		DIVING OUTFITS, ABALONE	
	POUNDS	VALUE	POUNDS	VALUE
SMELT	22,000	$2,672	-	-
ABALONE	-	-	100	$45
SQUID	230,200	7,712	-	-
TOTAL	252,200	10,384	100	45

PACIFIC COAST FISHERIES

SANTA BARBARA DISTRICT OF CALIFORNIA
OPERATING UNITS, 1969

ITEM	PURSE SEINES		LAMPARA NETS		OTTER TRAWLS, FISH
	ANCHOVY	MACKEREL	SQUID	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	11	71	3	27	57
ON BOATS AND SHORE, REGULAR	-	-	3	-	9
TOTAL	11	71	6	27	66
VESSELS, MOTOR	2	9	1	4	19
GROSS TONNAGE	50	540	32	208	601
BOATS, MOTOR	1	8	1	3	3
GEAR:					
NUMBER	2	9	2	4	22
LENGTH, YARDS	950	4,950	800	2,375	-
YARDS AT MOUTH	-	-	-	-	594

ITEM	POTS AND TRAPS		GILL NETS, DRIFT		
	CRAB	LOBSTER	BARRACUDA	SEA BASS	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	3	30	3	18	3
ON BOATS AND SHORE, REGULAR	4	52	-	15	24
TOTAL	7	82	3	33	27
VESSELS, MOTOR	1	10	1	6	1
GROSS TONNAGE	11	169	17	95	12
BOATS, MOTOR	2	26	-	5	8
GEAR:					
NUMBER	246	3,192	1	11	9
SQUARE YARDS	-	-	3,400	38,600	31,600

ITEM	TRAMMEL NETS	LINES			
		HAND			TROLL
		ALBACORE	ROCKFISH	OTHER	SALMON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	6	73	19	-	62
ON BOATS AND SHORE, REGULAR	12	12	40	8	138
TOTAL	18	85	59	8	200
VESSELS, MOTOR	2	22	7	-	22
GROSS TONNAGE	24	660	111	-	395
BOATS, MOTOR	4	8	20	4	69
GEAR:					
NUMBER	6	85	59	8	546
SQUARE YARDS	29,600	-	-	-	-
HOOKS OR BAITS	-	85	118	16	2,184

ITEM	LINES - CONTINUED			DIP, BRAIL OR SCOOP NETS	HARPOONS
	TROLL - CONTINUED		LONG OR SET WITH HOOKS		SWORDFISH
	ALBACORE	OTHER			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	629	6	15	6	34
ON BOATS AND SHORE	114	4	20	2	10
TOTAL	743	10	35	8	44
VESSELS, MOTOR	213	2	5	2	12
GROSS TONNAGE	4,597	17	155	67	222
BOATS, MOTOR	57	2	10	1	5
GEAR:					
NUMBER	2,430	36	150	8	17
HOOKS OR BAITS	2,430	36	15,000	-	-

ITEM	HARPOONS-CONTINUED	TONGS, OYSTER	DIVING OUTFITS, ABALONE	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	OTHER				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	12	-	37	-	902
ON BOATS AND SHORE, REGULAR	4	6	260	5	633
TOTAL	16	6	297	5	1,535
VESSELS, MOTOR	4	-	13	-	285
GROSS TONNAGE	47	-	236	-	6,828
BOATS, MOTOR	2	3	130	3	319
GEAR, NUMBER	6	6	154	-	-

PACIFIC COAST FISHERIES

SANTA BARBARA DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	19,861,400	$202,322	-	-	-	-
BONITO	920,000	39,299	200	$9	-	-
CABEZONE	-	-	100	4	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	-	-	5,500	1,870	-	-
SAND DABS	-	-	1,000	97	-	-
"SOLE":						
DOVER	-	-	23,100	1,408	-	-
ENGLISH	-	-	430,600	31,770	-	-
PETRALE	-	-	211,700	29,710	-	-
REX	-	-	100,100	9,273	-	-
SAND	-	-	600	75	-	-
OTHER	-	-	200	16	-	-
JACK MACKEREL	2,801,500	105,068	-	-	-	-
KING CROAKER	2,800	72	-	-	-	-
LINGCOD	-	-	26,700	2,670	-	-
MACKEREL, PACIFIC	6,800	297	-	-	-	-
POMPANO	1,000	107	-	-	-	-
ROCKFISHES	-	-	2,388,300	153,330	-	-
SABLEFISH	-	-	1,400	62	-	-
SCULPIN	-	-	600	73	-	-
SHARKS, UNCLASSIFIED	-	-	3,000	270	-	-
SKATES	-	-	600	42	-	-
TURBOT	-	-	3,200	258	-	-
UNCLASSIFIED, FOR BAIT AND ANIMAL FOOD	-	-	455,500	9,111	-	-
CRABS:						
DUNGENESS	-	-	-	-	100	$47
ROCK	-	-	200	15	195,800	17,330
LOBSTER, SPINY	-	-	-	-	99,300	102,400
SQUID	2,885,000	40,960	-	-	-	-
MOLLUSKS, UNCLASSIFIED	-	-	-	-	600	704
TOTAL	26,478,500	388,125	3,652,600	240,063	295,800	120,481

SPECIES	GILL AND TRAMMEL NETS		LINES		DIP, BRAIL OR SCOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BONITO	-	-	27,600	$1,180	-	-
CABEZONE	-	-	8,000	295	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	39,000	$13,613	7,100	2,485	-	-
"SOLE":						
ENGLISH	-	-	100	9	-	-
PETRALE	-	-	300	46	-	-
REX	-	-	100	10	-	-
UNCLASSIFIED	3,200	340	1,500	165	-	-
OTHER	4,300	346	2,800	225	-	-
HAKE	-	-	1,300	26	-	-
JACK MACKEREL	2,400	96	-	-	-	-
KING CROAKER	4,300	111	1,400	36	-	-
LINGCOD	-	-	20,100	2,181	-	-
PERCH	24,700	5,781	-	-	-	-
POMPANO	-	-	100	11	-	-
ROCKFISHES	-	-	108,400	7,588	-	-
SALMON:						
CHINOOK OR KING	-	-	239,900	180,665	-	-
SILVER OR COHO	-	-	7,700	3,850	-	-
SEA BASS:						
BLACK	-	-	1,100	180	-	-
WHITE	43,000	15,639	5,200	1,924	-	-
SHARKS, UNCLASSIFIED	70,000	6,452	7,600	760	-	-
SHEEPSHEAD	-	-	400	32	-	-
SKATES	300	21	-	-	-	-
SMELT	200	9	-	-	-	-
SWORDFISH	-	-	2,800	1,400	-	-
TUNA, ALBACORE	-	-	1,196,400	245,799	-	-
SQUID	-	-	-	-	151,200	$2,149
TOTAL	191,400	42,408	1,639,900	448,867	151,200	2,149

SPECIES	HARPOONS				TONGS AND BY HAND		DIVING OUTFITS, ABALONE	
	SWORDFISH		OTHER					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
SHARKS, UNCLASSIFIED	-	-	40,000	$5,000	-	-	-	-
SWORDFISH	200,000	$95,347	-	-	-	-	-	-
ABALONE	-	-	-	-	-	-	368,300	$589,204
OYSTERS, PACIFIC	-	-	-	-	122,500	$28,479	-	-
MOLLUSKS, UNCLASSIFIED	-	-	-	-	6,000	18,000	-	-
TOTAL	200,000	95,347	40,000	5,000	128,500	46,479	368,300	589,204

SAN PEDRO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1969

ITEM	PURSE SEINES			LAMPARA NETS		POTS AND TRAPS, LOBSTER
	ANCHOVY	MACKEREL	TUNA	SQUID	OTHER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	98	370	1,343	-	107	118
ON BOATS AND SHORE, REGULAR	3	21	-	9	-	110
TOTAL	101	391	1,343	9	107	228
VESSELS, MOTOR	15	47	115	-	14	42
GROSS TONNAGE	765	3,362	39,335	-	977	723
BOATS, MOTOR	13	54	202	3	15	55
GEAR:						
NUMBER	16	54	115	3	14	8,780
LENGTH, YARDS	8,065	29,150	92,625	1,225	8,325	-

ITEM	GILL NETS, DRIFT			TRAMMEL NETS	LINES	
					HAND	
	BARRACUDA	SEA BASS	OTHER		ALBACORE	ROCKFISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	12	42	9	-	392	213
ON BOATS AND SHORE, REGULAR	15	30	27	6	10	42
TOTAL	27	72	36	6	402	255
VESSELS, MOTOR	4	14	3	-	80	74
GROSS TONNAGE	64	294	46	-	5,655	1,643
BOATS, MOTOR	5	10	9	2	36	21
GEAR:						
NUMBER	9	24	12	2	387	255
SQUARE YARDS	31,600	82,700	40,300	10,000	-	-
HOOKS OR BAITS	-	-	-	-	387	510

ITEM	LINES - CONTINUED					DIP, BRAIL OR SCOOP NETS
	HAND - CONTINUED		TROLL		LONG OR SET WITH HOOKS	
	YELLOWFIN AND SKIPJACK	OTHER	ALBACORE	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS	308	85	858	6	90	63
ON BOATS AND SHORE, REGULAR	4	22	62	-	20	18
TOTAL	312	107	920	6	110	81
VESSELS, MOTOR	42	29	295	2	30	21
GROSS TONNAGE	5,409	650	7,570	45	881	508
BOATS, MOTOR	38	11	31	-	10	9
GEAR:						
NUMBER	295	107	2,934	18	400	81
HOOKS OR BAITS	295	214	2,934	18	40,000	-

ITEM	HARPOONS		DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	SWORDFISH	OTHER		
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	53	3	65	2,802
ON BOATS AND SHORE, REGULAR	40	-	154	503
TOTAL	93	3	219	3,305
VESSELS, MOTOR	21	1	25	543
GROSS TONNAGE	331	14	416	54,604
BOATS, MOTOR	20	-	77	485
GEAR, NUMBER	41	1	117	-

PACIFIC COAST FISHERIES

SAN PEDRO DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES AND LAMPARA NETS		POTS AND TRAPS	
	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	109,777,700	$1,072,059	-	-
BARRACUDA	3,500	801	-	-
BONITO	13,350,000	623,438	-	-
FLYING FISH	33,000	4,950	-	-
JACK MACKEREL	48,667,100	1,842,669	-	-
KING CROAKER	108,000	8,640	-	-
MACKEREL, PACIFIC	2,100,100	107,739	-	-
OPALEYE	3,100	593	-	-
POMPANO	113,000	20,053	-	-
SARDINE, PACIFIC	82,900	9,218	-	-
SHEEPSHEAD	-	-	1,500	$140
SMELT	104,000	4,160	-	-
TUNA:				
ALBACORE	16,500	3,712	-	-
BLUEFIN	10,435,000	1,665,628	-	-
SKIPJACK	29,679,300	3,958,502	-	-
YELLOWFIN	149,528,000	24,126,707	-	-
YELLOWTAIL	140,000	17,000	-	-
UNCLASSIFIED, FOR BAIT AND ANIMAL FOOD	20,000	550	-	-
CRABS, ROCK	-	-	300,900	37,607
LOBSTER, SPINY	-	-	127,300	144,522
SQUID	5,626,500	112,530	-	-
TOTAL	369,787,700	33,578,949	429,700	182,269

SPECIES	GILL AND TRAMMEL NETS		LINES	
	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	50,000	$11,447	1,500	$345
BONITO	-	-	1,140,000	53,238
CABRILLA	-	-	3,900	702
FLOUNDERS:				
CALIFORNIA HALIBUT	21,100	7,334	50,000	17,500
SAND DABS	-	-	500	102
"SOLE", UNCLASSIFIED	-	-	200	36
FLYING FISH	39,000	5,852	-	-
GROUPERS	-	-	188,900	45,805
HALFMOON	7,500	1,749	7,000	1,680
JACK MACKEREL	100	4	-	-
KING CROAKER	242,000	20,141	26,400	2,640
LINGCOD	-	-	100	14
MACKEREL, PACIFIC	9,500	522	-	-
OPALEYE	-	-	8,000	1,680
PERCH	20,500	4,805	1,200	300
POMPANO	-	-	56,100	10,098
ROCKFISHES	-	-	624,300	109,606
SABLEFISH	-	-	200	69
SCULPIN	-	-	10,100	3,650
SEA BASS:				
BLACK	31,200	5,928	95,000	18,133
WHITE	780,000	246,633	59,400	19,008
SHARKS, UNCLASSIFIED	58,000	7,555	14,000	1,977
SHEEPSHEAD	-	-	3,600	360
SMELT	33,000	1,353	-	-
SWORDFISH	-	-	6,100	3,111
TUNA:				
ALBACORE	-	-	5,801,600	1,304,825
BLUEFIN	-	-	741,200	118,592
SKIPJACK	-	-	4,562,200	608,141
YELLOWFIN	-	-	10,864,200	1,753,047
WHITEFISH	-	-	3,200	407
YELLOWTAIL	-	-	59,800	7,777
UNCLASSIFIED:				
FOR FOOD	100	9	-	-
FOR BAIT AND ANIMAL FOOD	220,000	5,547	6,500	162
TOTAL	1,512,000	318,879	24,335,200	4,083,005

SPECIES	DIP, BRAIL OR SCOOP NETS		HARPOONS, SWORDFISH		DIVING OUTFITS, ABALONE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
FLYING FISH	27,800	$4,170	-	-	-	-
JACK MACKEREL	1,300	52	-	-	-	-
MACKEREL, PACIFIC	229,700	12,633	-	-	-	-
SHARKS, UNCLASSIFIED	-	-	1,100	$137	-	-
SMELT	22,800	995	-	-	-	-
SWORDFISH	-	-	618,000	315,683	-	-
ABALONE	-	-	-	-	255,800	$415,426
SQUID	556,500	11,680	-	-	-	-
TOTAL	838,100	29,530	619,100	315,820	255,800	415,426

SAN DIEGO DISTRICT OF CALIFORNIA - OPERATING UNITS, 1969

ITEM	PURSE SEINES		POTS AND TRAPS, LOBSTER	GILL NETS, DRIFT		
	TUNA	OTHER		BARRACUDA	SEA BASS	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	727	4	66	3	21	-
ON BOATS AND SHORE, REGULAR.	-	-	136	-	12	18
TOTAL	727	4	202	3	33	18
VESSELS, MOTOR.	59	1	25	1	7	-
GROSS TONNAGE	23,855	60	383	19	177	-
BOATS, MOTOR.	113	1	68	-	4	6
GEAR:						
NUMBER.	59	1	8,181	1	11	6
LENGTH, YARDS	49,675	450	-	-	-	-
SQUARE YARDS.	-	-	-	3,600	38,800	20,400

ITEM	TRAMMEL NETS	LINES			
		HAND			
		ALBACORE	ROCKFISH	YELLOWFIN AND SKIPJACK	OTHER
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	-	312	98	245	32
ON BOATS AND SHORE, REGULAR.	6	14	58	12	50
TOTAL	6	326	156	257	82
VESSELS, MOTOR.	-	59	35	33	11
GROSS TONNAGE	-	4,480	781	3,934	310
BOATS, MOTOR.	2	29	29	32	25
GEAR:					
NUMBER.	2	311	156	241	82
SQUARE YARDS.	10,000	-	-	-	-
HOOKS OR BAITS.	-	311	312	241	164

ITEM	LINES - CONTINUED		HARPOONS, SWORDFISH	DIVING OUTFITS, ABALONE	TOTAL, EXCLUSIVE OF DUPLICATION
	TROLL, ALBACORE	LONG OR SET WITH HOOKS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	472	28	23	17	1,544
ON BOATS AND SHORE, REGULAR.	134	30	6	92	466
TOTAL	606	58	29	109	2,010
VESSELS, MOTOR.	164	10	9	7	292
GROSS TONNAGE	4,204	189	294	79	32,964
BOATS, MOTOR.	67	15	3	46	367
GEAR:					
NUMBER.	2,079	250	12	56	-
HOOKS OR BAITS.	2,079	25,000	-	-	-

PACIFIC COAST FISHERIES

SAN DIEGO DISTRICT OF CALIFORNIA
LANDINGS OF CATCH BY GEAR, 1969

SPECIES	PURSE SEINES		POTS AND TRAPS		GILL AND TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ANCHOVIES	8,600	$825	-	-	-	-
BARRACUDA	3,500	745	-	-	15,000	$3,300
BONITO	1,216,000	60,153	-	-	-	-
FLOUNDER, CALIFORNIA HALIBUT	-	-	-	-	14,900	4,908
HALFMOON	1,800	335	-	-	7,700	1,694
KING CROAKER	800	96	-	-	1,600	195
MACKEREL, PACIFIC	2,700	219	-	-	1,800	153
PERCH	2,500	425	-	-	16,000	2,722
POMPANO	200	36	-	-	-	-
SARDINE, PACIFIC	22,400	4,817	-	-	-	-
SEA BASS:						
BLACK	-	-	-	-	3,900	745
WHITE	-	-	-	-	152,000	49,234
SHARKS, UNCLASSIFIED	-	-	-	-	131,000	19,650
SHEEPSHEAD	-	-	3,800	$439	-	-
SMELT	100	6	-	-	-	-
TUNA:						
ALBACORE	3,500	784	-	-	-	-
BLUEFIN	4,005,000	612,673	-	-	-	-
SKIPJACK	9,694,700	1,322,866	-	-	-	-
YELLOWFIN	39,670,000	6,413,765	-	-	-	-
YELLOWTAIL	4,400	410	-	-	-	-
UNCLASSIFIED, FOR FOOD	-	-	-	-	100	13
CRABS, ROCK	-	-	2,200	164	-	-
LOBSTER, SPINY	-	-	82,900	99,811	-	-
TOTAL	54,636,200	8,418,155	88,900	100,414	344,000	82,614

SPECIES	LINES		HARPOONS, SWORDFISH		DIVING OUTFITS, ABALONE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	1,100	$242	-	-	-	-
BONITO	524,000	26,200	-	-	-	-
CABRILLA	1,900	371	-	-	-	-
FLOUNDERS:						
CALIFORNIA HALIBUT	22,200	7,770	-	-	-	-
"SOLE", UNCLASSIFIED	900	237	-	-	-	-
GROUPERS	66,200	16,562	-	-	-	-
HALFMOON	3,000	660	-	-	-	-
KING CROAKER	400	48	-	-	-	-
LINGCOD	300	33	-	-	-	-
MACKEREL, PACIFIC	6,600	561	-	-	-	-
OPALEYE	4,800	1,045	-	-	-	-
PERCH	4,500	765	-	-	-	-
ROCKFISHES	221,900	35,166	-	-	-	-
SABLEFISH	800	159	-	-	-	-
SCULPIN	104,800	29,476	-	-	-	-
SEA BASS:						
BLACK	23,600	4,720	-	-	-	-
WHITE	29,900	9,867	-	-	-	-
SHARKS, UNCLASSIFIED	32,600	4,890	-	-	-	-
SHEEPSHEAD	4,000	464	-	-	-	-
SWORDFISH	4,700	2,350	200,000	$92,684	-	-
TUNA:						
ALBACORE	1,412,600	317,470	-	-	-	-
BLUEFIN	53,500	8,185	-	-	-	-
SKIPJACK	1,978,200	270,024	-	-	-	-
YELLOWFIN	4,329,400	699,631	-	-	-	-
WHITEFISH	1,300	111	-	-	-	-
YELLOWTAIL	30,000	3,300	-	-	-	-
ABALONE	-	-	-	-	103,000	$148,527
TOTAL	8,863,200	1,440,307	200,000	92,684	103,000	148,527

PACIFIC COAST FISHERIES

LANDINGS BY HALIBUT FLEET AT SEATTLE, WASHINGTON

Halibut landings at Seattle were 6.9 million pounds (dressed weight) worth $2.8 million--a 16 percent decrease in volume, but a 4 percent increase in value compared with 1968. Halibut landings of 5.9 million pounds from fishing grounds west of Cape Spencer and 936,000 pounds from grounds south of Cape Spencer declined 1.2 million pounds and 126,000 respectively, compared with the previous year.

Sablefish landings from fishing grounds off Cape Spencer (41,000 pounds) were 58,000 pounds less than in 1968.

The following tables contain a summary of the landings of dressed halibut and sablefish at Seattle by the U.S. halibut fleet. These data are not directly comparable with the State and sectional tabulations, since the weights in those tables represent the round weight of fish landed.

LANDINGS BY THE HALIBUT FLEET AT SEATTLE, BY FISHING GROUNDS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

FISHING GROUNDS	TRIPS	HALIBUT (DRESSED)										SABLEFISH		TOTAL	
		CHICKEN		MEDIUM		LARGE		NO. 2 MEDIUM		NO. 2 LARGE					
	NUMBER	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
WEST OF CAPE SPENCER. . .	98	65	16	2,945	1,222	2,418	1,008	382	147	105	40	(1)	(1)	5,915	2,433
SOUTH OF CAPE SPENCER . .	48	142	36	644	276	122	49	22	9	6	2	41	8	977	380
TOTAL	146	207	52	3,589	1,498	2,540	1,057	404	156	111	42	41	8	6,892	2,813

SEE FOOTNOTES AT END OF NEXT TABLE.

LANDINGS BY THE HALIBUT FLEET AT SEATTLE, BY MONTHS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

MONTHS	TRIPS	HALIBUT (DRESSED)										SABLEFISH		TOTAL	
		CHICKEN		MEDIUM		LARGE		NO. 2 MEDIUM		NO. 2 LARGE					
	NUMBER	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
APRIL	6	5	1	162	59	82	29	26	8	6	2	-	-	281	99
MAY	35	40	11	1,038	391	612	225	72	24	20	7	10	2	1,792	660
JUNE.	23	47	12	504	202	354	142	40	15	11	4	9	2	965	377
JULY.	25	40	10	552	249	413	180	66	27	12	5	3	(1)	1,086	471
AUGUST.	20	26	6	557	258	467	214	71	30	22	9	5	1	1,148	518
SEPTEMBER	29	45	12	584	255	388	168	86	34	17	6	14	3	1,134	478
OCTOBER	5	2	(1)	132	58	154	68	29	12	11	4	-	-	328	142
NOVEMBER.	3	2	(1)	60	26	70	31	14	6	12	5	-	-	158	68
TOTAL	146	207	52	3,589	1,498	2,540	1,057	404	156	111	42	41	8	6,892	2,813

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--THE 1969 HALIBUT FISHERY SEASON OPENED MARCH 29 IN AREAS 3C, 4C, AND 4D. AREA 4C CLOSED APRIL 22, AND AREAS 3C AND 4D CLOSED NOVEMBER 15. AREAS 4A AND 4B WERE OPEN FROM APRIL 3 TO APRIL 15; AREA 4B REOPENED SEPTEMBER 1 AND CLOSED SEPTEMBER 13. AREA 3B WAS OPEN FROM APRIL 12 TO 17, REOPENED MAY 7 AND CLOSED OCTOBER 25. AREA 2 OPENED MAY 7 AND CLOSED SEPTEMBER 21. AREA 3A OPENED MAY 7 AND CLOSED SEPTEMBER 23.

PACIFIC COAST FISHERIES

WHALING, 1969

The International Whaling Commission recommended that all member countries establish quotas for the commercial catch of fin and sei whales in 1969. The Commission made the recommendation at the request of whaling biologists whose investigations indicated that the species were in danger of extinction. Whaling Commissioners from the United States, Japan, the Soviet Union, and Canada agreed to establish limits for their respective countries in the North Pacific during 1969.

The U.S. quota was set at 44 fin whales and 60 sei whales. No quota was set for sperm whales, the other important whale in the U.S. catch, but the season was open only from April 1 to November 30. The 1969 season for fin and sei whales was from May 1 until October 31.

During the whaling season the Del Monte Fishing Company operated a whaling station at Point San Pablo, California. It was the only whaling station operating in the United States in 1969. As in previous years, the company used the catcher boats Allen Cody, Dennis Gayle, and Donna Mae. The catch was 183 whales--19 less than in 1968. There were 31 fin, 10 sei, 68 sperm, and 74 gray whales taken in 1969. A special scientific permit authorized the capture of 34 of the sperm whales and all of the gray whales. These whales were taken under the supervision of a biologist

All whale carcasses (excluding the meat) were taken to the Pacific Rendering Company, San Francisco, Calif., for processing into meal and oil. The entire catch was processed into 1.7 million pounds of meal, 1.7 million pounds of oil, and 1.4 million pounds of meat (for use as canned or frozen animal food). These products were valued at $328,000 to the producer--a decline of $68,000 compared with 1968.

WHALE LANDINGS, 1969

MONTH	FIN	GRAY 1/	SEI	SPERM 2/	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
JANUARY	-	50	-	-	50
MARCH	-	24	-	-	24
APRIL	-	-	-	3	3
MAY	1	-	-	26	27
JUNE	8	-	6	9	23
JULY	4	-	1	8	13
AUGUST	5	-	3	-	8
SEPTEMBER	9	-	-	3	12
OCTOBER	4	-	-	10	14
NOVEMBER	-	-	-	8	8
DECEMBER	-	-	-	1	1
TOTAL	31	74	10	68	183

1/ SPECIAL SCIENTIFIC PERMIT NO. 1969-1 AUTHORIZED THE CAPTURE OF NOT MORE THAN 100 GRAY WHALES.

2/ SPECIAL SCIENTIFIC PERMIT NO. 1969-5 AUTHORIZED THE CAPTURE OF NOT MORE THAN 100 SPERM WHALES. A TOTAL OF 34 WERE TAKEN IN THE FOLLOWING MONTHS: MAY, 13; JUNE, 6; SEPTEMBER, 1; OCTOBER, 7; NOVEMBER, 6; AND DECEMBER, 1.

WHALE PRODUCTS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ITEM	QUANTITY	VALUE
MEAL	1,689	101
MEAT	1,368	123
OIL:		
SPERM	409	25
WHALE	1,327	79
TOTAL	4,793	328

NOTE:--TO CONVERT POUNDS OF OIL TO GALLONS, DIVIDE BY 7.75.

PACIFIC COAST FISHERIES

FUR SEAL INDUSTRY OF THE PRIBILOF ISLANDS, 1969

Scientists have estimated that about 2.5 million fur seal pelts were taken from the time of the discovery of the Pribilof Islands in 1786 until Alaska was sold to the United States in 1867. During the first 2 years of U.S. ownership, independent sealing companies took nearly 300,000 skins from the islands. To protect the herd, the federal government in 1869 made the islands a special reservation for the seals. As fur seals are highly polygamous, the size of the herd could have been controlled easily by regulating the kill on the islands--if it were not for the pelagic sealing (killing seals at sea). However, pelagic sealing was not regulated and by 1889 threatened to exterminate the Alaska fur seal herd. During the early years of U.S. control of the Pribilofs, possibly 1.0 million fur seals were taken on the high seas and an equal number may have been killed but not recovered at sea. In the indiscriminate taking of female seals at sea, many unborn pups were lost and many new-born pups starved on land.

In 1911, when the North Pacific fur seal population had reached a low of about 150,000 animals, the beginning of a sound basis for their management was provided when the United States, Great Britain, Japan, and Russia entered into an agreement to stop all pelagic sealing. To conserve the herd still further, no seals were killed on land from 1911 to 1917 except those used for food by the Pribilof residents.

During the first few years after controlled killing was resumed on land, the harvest was large in relation to population because of the accumulation of males. After the removal of these animals the harvest declined for a few years but then increased steadily (with the exception of the years during World War II). Beginning in 1950, the number of seals taken fluctuated widely.

Management of the fur seal herd has been determined by a policy of taking pelts of those animals that are considered surplus to breeding requirements and that have highest quality skins. These desirable seals are principally the 3- and 4-year-old males. By 1952, biologists concluded that the herd was near its maximum desirable size, primarily because the area had a limited supply of food available to nursing females and to pups during their first months at sea. Scientists managing the herd believe that it can be maintained at an optimum level by keeping a male-female ratio which will produce about 500,000 pups each year. Thus, in recent years some female seals have been taken, almost entirely from nonbreeding age. The present 1.5 million animals is large enough to sustain the seal population level.

In 1969, fur sealing operations on the Pribilof Islands produced 38,805 commercial sealskins--a decline of 19,727 compared with 1968. Male seals accounted for 38,610 commercial sealskins; female seals, 195 sealskins. The female seals were taken either inadvertently or for scientific purposes.

CLASSES OF MALE SEALS TAKEN ON THE PRIBILOF ISLANDS, BY AGE GROUP, 1969

ITEM	ST. PAUL ISLAND	ST. GEORGE ISLAND
	. . . . . . PERCENT	
BY AGE:		
2-YEAR-OLDS	8	-
3-YEAR-OLDS	55	44
4-YEAR-OLDS	32	43
5-YEAR-OLDS	5	11
6-YEAR-OLDS	-	2
TOTAL	100	100

NOTE:--THE SEALING SEASON BEGAN JUNE 25 AND ENDED AUGUST 1, 1969.

Fur seal production on St. Paul Island was 84 percent of the total harvest--slightly more than in 1968.

For the seventh consecutive year, sealskin curing operations were under government supervision. Sixty-nine men were employed in skin curing and carcass disposal--compared with 72 in 1968. Of this number, 26 were residents of the Pribilof Islands, 3 were natives of the Aleutian Islands, 28 were from Alaska and 12 were from the contiguous States.

All seal carcasses on St. Paul Island were ground for mink food by the contracting firm. Less than 39,000 animals were taken but the yield was 640 tons--indicating that the seals secured were somewhat larger than usual. Average weight per carcass for the season's production was 39 pounds.

DISTRIBUTION AND TAKE OF SEALSKINS

The fur seal treaty provides that Canada and Japan each receive 15 percent of the skins taken on the Pribilof Islands. The distribution of sealskins follows:

ITEM	UNITED STATES	CANADA	JAPAN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER
FROM ST. PAUL ISLAND:				
MALE SKINS.	22,816	4,889	4,889	32,594
FEMALE SKINS.	137	29	29	195
TOTAL	22,953	4,918	4,918	32,789
FROM ST. GEORGE ISLAND, MALE SKINS	4,212	902	902	6,016
FROM BOTH ISLANDS:				
MALE SKINS.	27,028	5,791	5,791	38,610
FEMALE SKINS.	137	29	29	195
GRAND TOTAL	27,165	5,820	5,820	38,805

NOTE:--THE STANDARD PACKING FORMULA USED IN 1969 WAS 75 SKINS PER BARREL OF THE FIRST 1,050 SKINS PACKED ON ST. GEORGE ISLAND, AND 80 SKINS PER BARREL THEREAFTER; AND 75 SKINS PER BARREL OF THE FIRST 6,000 SKINS PACKED ON ST. PAUL ISLAND, AND 80 SKINS PER BARREL, THEREAFTER.

Since World War II, the United States, Canada, Japan, and Soviet Russia have cooperated in investigation the sea life of fur seals; and the United States and Soviet Russia have investigated the land behavior of fur seals--population dynamics, mortality, growth, and other related subjects. These investigations are of considerable help to management, and the future of the Alaska fur seal herd seems assured as long as the countries continue to work together.

SALE OF SEALSKINS

There were 46,494 fur sealskins sold for the account of the U.S. Government at the two public auctions held in Greenville, S.C. Gross receipts from both 1969 sales were $3,808,300. Offerings consisted of 40,650 conventionally processed skins, 3,107 LAKODA sheared skins, and 2,737 natural sheared. Proceeds from the sale that took place April 17-18 totaled $2,165,452 and from the sale of October 2-3, $1,642,856.

DISTRIBUTION OF PRIBILOF ISLANDS RECEIPTS, FISCAL YEAR, 1969

ITEM	AMOUNT
COST OF HANDLING, PROCESSING, DYEING, AND DRESSING.	$1,239,467
COST OF ADMINISTRATION OF PRIBILOF ISLANDS.	2,602,398
PAYMENT TO THE STATE OF ALASKA.	306,663
NET RECEIPTS TO THE U.S. GOVERNMENT	131,427
TOTAL	4,279,955

NOTE:--FIGURES SHOWN IN THE ABOVE TABLE ARE COMPUTED ON A FISCAL YEAR BASIS. THOSE QUOTED IN THE PRECEDING NARRATIVE ARE ON A CALENDAR YEAR BASIS.

SECTION 8 - GREAT LAKES FISHERIES

United States and Canadian fishermen in the five Great Lakes, Lake St. Clair, and three of the five international lakes of northern Minnesota and Canada landed 127.4 million pounds of fresh-water fish--7.2 million more than in 1968. The Canadian production (58.8 million pounds) was 7.6 million more than in 1968, and 46 percent of the total catch. Two species, smelt and yellow perch, dominated the landings and accounted for 78 percent of the entire Canadian harvest. U.S. fishermen landed more than 68.5 million pounds worth $6.1 million--a decline of nearly 500,000 pounds but a gain of almost $200,000 compared with 1968. Principal reason for the greater value was an increase in the average price per pound received by fishermen for most species.

In 1969, alewives, carp, chubs, smelt, and yellow perch were 79 percent of the U.S. catch. In U.S. waters the alewife catch of 29.2 million pounds increased 2.1 million compared with 1968; smaller gains had occurred in the catches of carp, smelt, white bass, and whitefish. Landings of lake herring (2.3 million pounds) declined 1.3 million; sheepshead (2.1 million pounds) declined 1.1 million; and chubs (10.2 million pounds) declined 1.0 million. Catches of coho salmon, yellow perch, and yellow pike also declined slightly.

Wisconsin with 32.3 million pounds led in volume of landings followed by Michigan, 21.9 million; Ohio, 9.5 million and Minnesota, 2.8 million pounds. Four States (New York, Pennsylvania, Illinois, and Indiana) supplied the remaining 2.0 million pounds. The five Great Lakes in order of total U.S. production were: Michigan, 47.5 million pounds; Erie, 11.0; Superior, 5.2; Huron, 2.9 million pounds; and Ontario, 294,000 pounds. The catch in Lake of the Woods (1.5 million pounds) accounted for 96 percent of the U.S. landings in the boundary lakes.

Fishermen and vessels. In 1969, 1,677 fishermen operated 269 vessels (5 net tons or more) and 747 smaller craft in the U.S. commercial fisheries--a decline of 164 fishermen, 29 vessels, and 64 smaller craft compared with 1968.

U.S. catch by Lake.

Lake Ontario. Landings of 293,500 pounds worth $43,715 were 48,800 pounds and $26,956 less than in 1968. A sharp decline in landings of the relatively high-priced eels, rock bass, and white perch was the principal reason for the smaller production and value. Catches of bullheads and carp increased markedly. Average United States landings during the 10-year period (1960-69) were 271,600 pounds; Canadian landings averaged 2.0 million pounds during the same period.

Lake Erie. Landings were 11.0 million pounds worth $1.4 million--a decline of 871,200 pounds but an increase of $262,446 compared with 1968. It was the smallest catch on record. Before 1954, catches made by United States fishermen had always exceeded the Canadian catch, but since that year the Canadian production has been increasing steadily and the United States harvest has been declining. In 1969, landings of 48 million pounds were a record for Canadian fishermen.

The hatch of most fishes in Lake Erie in 1969 was more successful than in other recent years. The hatch and survival of yellow pike was much better than biologists had anticipated and the young-of-the-year yellow perch also survived in unexpectedly large numbers. Yellow perch are expected to continue as the mainstay for both United States and Canadian fishermen.

Lake Huron. The catch of 2.9 million pounds worth $493,497 was 219,500 pounds and $54,593 greater than in 1968. Carp landings (1.3 million pounds) increased 282,000 pounds and accounted largely for the gain in volume. The chub catch of 13,400 pounds was the smallest on record--continuing the downward trend that began in 1966.

GREAT LAKES FISHERIES

Lake Michigan. Landings of 47.5 million pounds were 1.7 million more than in 1968 and the second largest catch on record. Alewife landings (29.2 million pounds) increased 2.1 million and were the principal reason for the gain. Other species that increased significantly in volume compared with 1968 were smelt, whitefish and suckers.

Catch of chubs, coho salmon, and carp declined compared to the previous year. The chub catch (9.2 million pounds) declined 1.0 million as fishermen expended less fishing effort because of a declining market. Some fishery plants bought only limited quantities of chubs following a Food and Drug Administration ruling (made late in 1968) that required processors to smoke chubs at 180° for 30 minutes. The resulting product was not well received by some consumers, and the fishery was curtailed. Later in 1969, the market for smoked chubs improved slightly.

Lake Superior. Landings of 5.2 million pounds were 1.3 million less than in 1968 and the smallest harvest since about the turn of the century. The major factor in the declining catch has been the sharp decrease in landings of lake herring--from a record 17.8 million pounds in 1941 to a low of 2.3 million in 1969.

International Lakes. The 1.6-million-pound production was slightly less than in 1968. The catch of tullibee, burbot, yellow pike, and suckers accounted for 91 percent of the total production.

Legislation. A law enacted by the Michigan State Legislature in 1968 provided the Michigan State Department of Natural Resources with broad authority to regulate commercial fishing in the Great Lakes. In 1969, the Department began to enforce certain regulations pretaining to the issuance and revocation of commercial fishing licenses, restriction of fishing areas and fishing gears, and related matters. As a result of this activity, more than 240 fishing units that have been operating in the lakes during the past 3 years failed to meet the requirements and were retired from service.

Research. The four BCF vessels, Cisco, Kaho, Musky II, and Siscowet continued to support research studies on the Great Lakes. Research continued on the alewife population explosion, pesticide concentrations in fish and botulism organisms.

Sea Lamprey control. The final count of sea lampreys captured at the 16 Lake Superior barriers reached 9,234 compared with 7,936 in 1968. These barriers are used to assess the effectiveness of lampricides in the control of larval sea lampreys. Treatment of streams against sea lampreys continued in 1969.

Other information. Condensed summary data on landings of the Great Lakes Fisheries appearing on the following pages have been published previously in Current Fishery Statistics No. 5474. Seasonal variations in the catch of fish landed in Wisconsin, Ohio, and Michigan can be ascertained from monthly landing bulletins issued currently in cooperation with the fishery departments of these States. Additional specific data on Great Lakes Fisheries may be found in the daily, monthly, and annual reports published by the BCF's Fishery Market News Service Office in Chicago, Ill.

Acknowledgments. The following organizations helped collect the data appearing in this section: Dominion Bureau of Statistics of Canada; Illinois Department of Conservation, Division of Fisheries; Indiana Department of Conservation, Division of Fish and Game, Section of Fish Management; Michigan Department of Natural Resources, Fish Section, Great Lakes Fisheries; Minnesota Department of Conservation, Division of Game and Fish, Section of Fisheries; New York Conservation Department, Division of Fish and Game. Ohio Department of Natural Resources, Division of Wildlife, Section of Fish Management; Pennsylvania Fish Commission; and the Wisconsin Conservation Department, Fish Management Division.

SUMMARY OF UNITED STATES AND CANADIAN LANDINGS, 1969

THOUSANDS OF POUNDS)

SPECIES	LAKE ONTARIO			LAKE ERIE		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
BLUE PIKE	(1)	-	(1)	(1)	-	(1)
BOWFIN	2	3	5	-	21	21
BUFFALOFISH	-	-	-	33	-	33
BULLHEADS	76	217	293	36	19	55
BURBOT	-	-	-	(1)	-	(1)
CARP	70	541	611	3,020	190	3,210
CATFISH	1	23	24	736	102	838
CHUBS	1	-	1	-	-	-
CRAPPIE	3	-	3	(1)	-	(1)
EEL, COMMON	38	169	207	-	-	-
GIZZARD SHAD	-	-	-	22	-	22
GOLDFISH	-	-	-	99	-	99
LAKE HERRING	3	40	43	(1)	-	(1)
LAKE TROUT	-	-	-	(1)	-	(1)
MOONEYE OR GOLDEYE	-	-	-	(1)	-	(1)
PIKE OR PICKEREL	(1)	28	28	(1)	1	1
ROCK BASS	11	48	59	1	28	29
SALMON, SILVER OR COHO	(1)	-	(1)	-	-	-
SHEEPSHEAD	-	24	24	2,060	339	2,399
SMELT	-	146	146	2	15,076	15,078
STURGEON, COMMON	-	1	1	-	1	1
SUCKERS	6	17	23	173	16	189
SUNFISH	8	160	168	-	71	71
WHITE BASS	(1)	4	4	1,219	875	2,094
WHITEFISH, COMMON	1	81	82	1	1	2
WHITE PERCH	59	250	309	1	-	1
YELLOW PERCH	14	439	453	3,364	29,802	33,166
YELLOW PIKE	1	18	19	283	193	476
UNCLASSIFIED, FOR ANIMAL FOOD	-	63	63	-	1,292	1,292
TOTAL	294	2,272	2,566	11,050	48,027	59,077

SPECIES	LAKE HURON			LAKE MICHIGAN, UNITED STATES	LAKE SUPERIOR		
	UNITED STATES	CANADA	TOTAL		UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	(1)	-	(1)	29,248	(1)	-	(1)
BOWFIN	(1)	-	(1)	-	-	-	-
BULLHEADS	28	-	28	40	-	-	-
BURBOT	-	3	3	61	23	-	23
CARP	1,298	102	1,400	2,119	(1)	1	1
CATFISH	122	20	142	1	-	-	-
CHUBS	13	243	256	9,161	981	8	989
CRAPPIE	7	-	7	-	-	-	-
GIZZARD SHAD	1	-	1	1	-	-	-
LAKE HERRING	10	17	27	57	2,251	2,396	4,647
LAKE TROUT	1	-	1	82	211	202	413
PIKE OR PICKEREL	-	21	21	33	(1)	4	4
QUILLBACK	28	-	28	-	-	-	-
ROCK BASS	1	1	2	1	-	-	-
SALMON, SILVER OR COHO	-	-	-	1,144	(1)	-	-
SAUGER	-	-	-	-	-	12	12
SHEEPSHEAD	14	67	81	-	-	-	-
SMELT	64	4	68	2,481	1,067	-	1,067
STURGEON, COMMON	(1)	16	16	3	-	3	3
SUCKERS	136	183	319	789	64	53	117
WHITE BASS	2	3	5	-	-	-	-
WHITEFISH:							
COMMON	306	849	1,155	1,387	628	211	839
MENOMINEE	24	33	57	144	10	19	29
YELLOW PERCH	800	171	971	723	4	8	12
YELLOW PIKE	42	287	329	14	(1)	24	24
UNCLASSIFIED, FOR ANIMAL FOOD	-	309	309	-	-	10	10
TOTAL	2,897	2,329	5,226	47,469	5,239	2,951	8,190

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

SUMMARY OF UNITED STATES AND CANADIAN LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	TOTAL, GREAT LAKES			LAKE ST. CLAIR, CANADA	LAKE OF THE WOODS		
	UNITED STATES	CANADA	TOTAL		UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	29,248	-	29,248	-	-	-	-
BLUE PIKE	(1)	-	(1)	-	-	-	-
BOWFIN	2	24	26	-	-	-	-
BUFFALOFISH	33	-	33	-	-	-	-
BULLHEADS	180	236	416	5	(1)	25	25
BURBOT	84	3	87	-	223	196	419
CARP	6,507	834	7,341	82	-	-	-
CATFISH	860	145	1,005	67	-	-	-
CHUBS	10,156	251	10,407	-	-	6	6
CRAPPIE	10	-	10	-	-	-	-
EEL, COMMON	38	169	207	-	-	-	-
GIZZARD SHAD	24	-	24	-	-	-	-
GOLDFISH	99	-	99	-	-	-	-
LAKE HERRING	2,321	2,453	4,774	-	-	255	255
LAKE TROUT	294	202	496	-	-	5	5
MOONEYE OR GOLDEYE	(1)	-	(1)	-	-	-	-
PIKE OR PICKEREL	33	54	87	28	67	320	387
QUILLBACK	28	-	28	-	(1)	-	(1)
ROCK BASS	14	77	91	48	-	10	10
SALMON, SILVER OR COHO	1,144	-	1,144	-	-	-	-
SAUGER	-	12	12	-	12	13	25
SHEEPSHEAD	2,074	430	2,504	18	-	-	-
SMELT	3,614	15,226	18,840	-	-	-	-
STURGEON, COMMON	3	21	24	17	-	9	9
SUCKERS	1,168	269	1,437	107	65	258	323
SUNFISH	8	231	239	73	-	-	-
TULLIBEE	-	-	-	-	1,039	-	1,039
WHITE BASS	1,221	882	2,103	41	-	-	-
WHITEFISH:							
COMMON	2,323	1,142	3,465	-	(1)	51	51
MENOMINEE	178	52	230	-	-	-	-
WHITE PERCH	60	250	310	-	-	-	-
YELLOW PERCH	4,905	30,420	35,325	48	21	20	41
YELLOW PIKE	340	522	862	328	79	381	460
UNCLASSIFIED, FOR ANIMAL FOOD	-	1,674	1,674	58	-	88	88
TOTAL	66,969	55,579	122,548	920	1,506	1,637	3,143

SPECIES	NAMAKAN LAKE			RAINY LAKE		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
BURBOT	2	3	5	3	74	77
CHUBS	-	16	16	-	81	81
LAKE TROUT	-	(1)	(1)	-	-	-
PIKE OR PICKEREL	-	3	3	2	135	137
ROCK BASS	-	(1)	(1)	-	15	15
STURGEON, COMMON	-	(1)	(1)	-	1	1
SUCKERS	2	29	31	7	189	196
TULLIBEE	2	-	2	4	-	4
WHITEFISH:						
COMMON	9	12	21	28	50	78
MENOMINEE	-	-	-	-	4	4
YELLOW PERCH	-	(1)	(1)	-	2	2
YELLOW PIKE	-	5	5	2	52	54
UNCLASSIFIED, FOR ANIMAL FOOD	-	-	-	-	7	7
TOTAL	15	68	83	46	610	656

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

SUMMARY OF UNITED STATES AND CANADIAN LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS)

SPECIES	TOTAL, INTERNATIONAL LAKES			GRAND TOTAL, ALL LAKES		
	UNITED STATES	CANADA	TOTAL	UNITED STATES	CANADA	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALEWIVES	-	-	-	29,248	-	29,248
BLUE PIKE	-	-	-	(1)	-	(1)
BOWFIN	-	-	-	2	24	26
BUFFALOFISH	-	-	-	33	-	33
BULLHEADS	(1)	30	30	180	266	446
BURBOT	228	273	501	312	276	588
CARP	-	82	82	6,507	916	7,423
CATFISH	-	67	67	860	212	1,072
CHUBS	-	103	103	10,156	354	10,510
CRAPPIE	-	-	-	10	-	10
EEL, COMMON	-	-	-	38	169	207
GIZZARD SHAD	-	-	-	24	-	24
GOLDFISH	-	-	-	99	-	99
LAKE HERRING	-	255	255	2,321	2,708	5,029
LAKE TROUT	-	5	5	294	207	501
MOONEYE OR GOLDEYE	-	-	-	(1)	-	(1)
PIKE OR PICKEREL	69	486	555	102	540	642
QUILLBACK	(1)	-	(1)	28	-	28
ROCK BASS	-	73	73	14	150	164
SALMON, SILVER OR COHO	-	-	-	1,144	-	1,144
SAUGER	12	13	25	12	25	37
SHEEPSHEAD	-	18	18	2,074	448	2,522
SMELT	-	-	-	3,614	15,226	18,840
STURGEON, COMMON	-	27	27	3	48	51
SUCKERS	4	583	657	1,242	852	2,094
SUNFISH	-	73	73	8	304	312
TULLIBEE	1,045	-	1,045	1,045	-	1,045
WHITE BASS	-	41	41	1,221	923	2,144
WHITEFISH:						
COMMON	37	113	150	2,360	1,255	3,615
MENOMINEE	-	4	4	178	56	234
WHITE PERCH	-	-	-	60	250	310
YELLOW PERCH	21	70	91	4,926	30,490	35,416
YELLOW PIKE	81	766	847	421	1,288	1,709
UNCLASSIFIED, FOR ANIMAL FOOD	-	153	153	-	1,827	1,827
TOTAL	1,567	3,235	4,802	68,536	58,814	127,350

1/ LESS THAN 500 POUNDS.

NOTE:--IN CANADA THE LANDINGS OF CRAPPIES HAVE BEEN INCLUDED WITH ROCK BASS.

SUMMARY OF U.S. LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	TOTAL	
	QUANTITY	VALUE
NEW YORK	561	104
PENNSYLVANIA	497	58
OHIO	9,541	1,223
MICHIGAN	21,948	2,723
INDIANA	204	42
ILLINOIS	747	122
WISCONSIN	32,261	1,617
MINNESOTA	2,777	171
TOTAL	68,536	6,060

GREAT LAKES FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF U.S. OPERATING UNITS AND FISHING EFFORT, BY LAKES, 1969

ITEM	LAKE ONTARIO	LAKE ERIE	LAKE HURON	LAKE MICHIGAN	LAKE SUPERIOR	INTER-NATIONAL LAKES	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS:							
REGULAR	-	18	6	97	25	-	148
PART-TIME	2	44	22	142	53	-	258
CASUAL	-	28	32	104	44	-	180
ON BOATS AND SHORE:							
REGULAR	-	9	15	2	18	3	47
PART-TIME	6	64	74	110	88	30	372
CASUAL	38	218	73	246	88	9	672
TOTAL FISHERMEN	46	381	222	701	316	42	1,677
VESSELS, MOTOR:							
REGULAR	-	6	2	33	9	-	50
PART-TIME	1	22	11	71	26	-	129
CASUAL	-	14	16	52	22	-	90
TOTAL VESSELS	1	42	29	156	57	-	269
TOTAL GROSS TONNAGE	10	543	441	3,526	1,145	-	5,356
BOATS:							
MOTOR:							
REGULAR	-	3	5	1	6	1	16
PART-TIME	3	32	37	54	45	15	186
CASUAL	19	164	50	155	74	8	470
TOTAL MOTOR BOATS	22	199	92	210	125	24	672
OTHER:							
REGULAR	-	2	2	-	-	-	4
PART-TIME	1	9	4	4	1	-	19
CASUAL	3	41	4	4	-	-	52
TOTAL OTHER BOATS	4	52	10	8	1	-	75
DAYS OPERATED:							
FISHERMEN:							
ON VESSELS	290	8,000	4,372	35,964	11,848	-	60,474
ON BOATS AND SHORE	1,214	11,209	12,137	14,926	14,101	3,681	57,268
TOTAL FISHERMEN DAYS	1,504	19,209	16,509	50,890	25,949	3,681	117,742
CRAFT:							
VESSELS	145	3,428	1,975	15,026	4,857	-	25,431
BOATS, MOTOR	607	6,344	5,867	8,480	7,266	1,857	30,421
TOTAL CRAFT DAYS	752	9,772	7,842	23,506	12,123	1,857	55,852
FISHING EFFORT:							
LIFTS:							
POUND NETS	-	-	106	5,597	1,248	1,178	8,129
TRAP NETS	1,396	12,744	7,657	2,289	1,138	-	25,224
FYKE AND HOOP NETS	441	449	324	7,618	77	-	8,909
LIFTS PER 1,000 LINEAR YARDS:							
HAUL SEINES	9	2,280	154	121	3	-	2,567
GILL NETS:							
1-1/4 - 2 INCH MESH	-	-	-	512	206	-	718
2-1/8 - 3-7/8 INCH MESH	58	5,807	2,308	31,327	9,517	-	49,017
4 - 7 INCH MESH	167	822	2,874	11,976	6,167	1,563	23,569
7-1/8 - 14 INCH MESH	-	-	2,030	184	68	-	2,282
LIFTS PER 1,000 HOOKS, LINES, LONG OR SET	-	1,390	952	54	-	-	2,396
HOURS TRAWLED	-	-	-	5,796	29	-	5,825
DAYS FISHED, WEIRS	-	-	-	34	-	-	34

NOTE:--THE NUMBER OF DAYS INDICATES THAT FISHING OCCURRED REGARDLESS OF THE AMOUNT OF TIME FISHED DURING A DAY. THE NUMBER OF FISHERMEN AND CRAFT OPERATING AS REGULAR, PART-TIME, AND CASUAL IS BASED ON DAYS OF OPERATION AS FOLLOWS: REGULAR--MORE THAN 161 DAYS, PART-TIME 54 TO 161 DAYS (INCLUSIVE), AND CASUAL--LESS THAN 54 DAYS.

GREAT LAKES FISHERIES

SUMMARY OF U.S. OPERATING UNITS AND FISHING EFFORT, BY STATES, 1969

ITEM	NEW YORK	PENNSYLVANIA	OHIO	MICHIGAN	INDIANA	ILLINOIS	WISCONSIN	MINNESOTA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:									
ON VESSELS:									
REGULAR	-	3	12	51	4	3	72	-	148
PART-TIME	8	5	35	143	-	2	74	2	258
CASUAL.	-	7	18	98	-	-	63	6	180
ON BOATS AND SHORE:									
REGULAR	-	3	6	24	2	-	-	12	47
PART-TIME	8	-	60	173	4	4	62	61	372
CASUAL.	53	4	179	214	5	7	175	35	672
TOTAL FISHERMEN . . .	69	22	310	703	15	16	446	116	1,677
VESSELS, MOTOR:									
REGULAR	-	1	4	17	2	1	24	-	50
PART-TIME	4	2	17	71	-	1	37	1	129
CASUAL.	-	3	9	49	-	-	31	3	90
TOTAL VESSELS	4	6	30	137	2	2	92	4	269
TOTAL GROSS TONNAGE .	50	74	401	2,777	40	74	2,041	103	5,356
BOATS:									
MOTOR:									
REGULAR	-	1	2	8	1	-	-	4	16
PART-TIME	4	-	30	87	2	2	30	31	186
CASUAL.	34	4	133	142	3	7	114	33	470
TOTAL MOTOR BOATS . .	38	5	165	237	6	9	144	68	672
OTHER:									
REGULAR	-	-	2	2	-	-	-	-	4
PART-TIME	1	-	9	5	-	-	4	-	19
CASUAL.	3	-	35	10	-	-	4	-	52
TOTAL OTHER BOATS . .	4	-	46	17	-	-	8	-	75
DAYS OPERATED:									
FISHERMEN:									
ON VESSELS.	1,050	1,196	5,540	27,480	900	873	23,093	342	60,474
ON BOATS AND SHORE. . .	1,515	630	9,597	26,051	818	411	9,007	9,239	57,268
TOTAL FISHERMEN DAYS.	2,565	1,826	15,137	53,531	1,718	1,284	32,100	9,581	117,742
CRAFT:									
VESSELS	510	446	2,365	11,896	450	336	9,257	171	25,431
BOATS, MOTOR.	855	288	5,430	13,242	424	233	5,407	4,542	30,421
TOTAL CRAFT DAYS. . .	1,365	734	7,795	25,138	874	569	14,664	4,713	55,852
FISHING EFFORT:									
LIFTS:									
POUND NETS.	-	-	-	3,341	-	-	3,506	1,282	8,129
TRAP NETS	1,396	-	10,899	12,921	-	-	8	-	25,224
FYKE AND HOOP NETS. . .	441	-	299	747	-	-	7,422	-	8,909
LIFTS PER 1,000 LINEAR YARDS:									
HAUL SEINES	9	-	2,151	286	-	-	121	-	2,567
GILL NETS:									
1-1/4 - 2 INCH MESH .	-	-	-	177	-	-	541	-	718
2-1/8 - 3-7/8 INCH MESH	808	1,804	3,241	17,986	2,230	1,559	20,120	1,269	49,017
4 - 7 INCH MESH . . .	935	21	26	18,421	78	-	2,224	1,864	23,569
7-1/8 - 14 INCH MESH	-	-	-	2,090	-	-	192	-	2,282
LIFTS PER 1,000 HOOKS, LINES, LONG OR SET . . .	-	-	1,374	1,022	-	-	-	-	2,396
HOURS TRAWLED	-	-	-	538	-	-	5,258	29	5,825
DAYS FISHED, WEIRS. . . .	-	-	-	34	-	-	-	-	34

SEE NOTE ON PAGE 296.

GREAT LAKES FISHERIES

SUMMARY OF U.S. OPERATING UNITS AND FISHING EFFORT, BY STATES AND LAKES, 1969

ITEM	NEW YORK		PENNSYLVANIA	OHIO	MICHIGAN		
	LAKE ONTARIO	LAKE ERIE	LAKE ERIE	LAKE ERIE	LAKE ERIE	LAKE HURON	LAKE MICHIGAN
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS:							
REGULAR	-	-	3	12	-	6	24
PART-TIME	2	6	5	35	4	22	80
CASUAL.	-	-	7	18	8	32	70
ON BOATS AND SHORE:							
REGULAR	-	-	3	6	-	15	-
PART-TIME	6	2	-	60	2	74	44
CASUAL.	38	15	4	179	20	73	84
TOTAL FISHERMEN . . .	46	23	22	310	34	222	302
VESSELS, MOTOR:							
REGULAR	-	-	1	4	-	2	8
PART-TIME	1	3	2	17	2	11	40
CASUAL.	-	-	3	9	4	16	35
TOTAL VESSELS	1	3	6	30	6	29	83
TOTAL GROSS TONNAGE .	10	40	74	401	67	441	1,885
BOATS:							
MOTOR:							
REGULAR	-	-	1	2	-	5	-
PART-TIME	3	1	-	30	1	37	22
CASUAL.	19	15	4	133	12	50	46
TOTAL MOTOR BOATS . .	22	16	5	165	13	92	68
OTHER:							
REGULAR	-	-	-	2	-	2	-
PART-TIME	1	-	-	9	-	4	-
CASUAL.	3	-	-	35	6	4	-
TOTAL OTHER BOATS . .	4	-	-	46	6	10	-
DAYS OPERATED:							
FISHERMEN:							
ON VESSELS.	290	760	1,196	5,540	504	4,372	13,933
ON BOATS AND SHORE. . .	1,214	301	630	9,597	681	12,137	5,581
TOTAL FISHERMEN DAYS.	1,504	1,061	1,826	15,137	1,185	16,509	19,514
CRAFT:							
VESSELS	145	365	446	2,365	252	1,975	6,216
BOATS, MOTOR.	607	248	288	5,430	378	5,867	3,012
TOTAL CRAFT DAYS. . .	752	613	734	7,795	630	7,842	9,228
FISHING EFFORT:							
LIFTS:							
POUND NETS.	-	-	-	-	-	106	2,876
TRAP NETS	1,396	-	-	10,899	1,845	7,657	2,281
FYKE AND HOOP NETS. . .	441	-	-	299	150	324	196
LIFTS PER 1,000 LINEAR YARDS:							
HAUL SEINES	9	-	-	2,151	129	154	-
GILL NETS:							
1-1/4 - 2 INCH MESH .	-	-	-	-	-	-	128
2-1/8 - 3-7/8 INCH MESH	58	750	1,804	3,241	12	2,308	9,194
4 - 7 INCH MESH . . .	167	768	21	26	7	2,874	10,086
7-1/8 - 14 INCH MESH	-	-	-	-	-	2,030	-
LIFTS PER 1,000 HOOKS, LINES, LONG OR SET . . .	-	-	-	1,374	16	952	54
HOURS TRAWLED	-	-	-	-	-	-	538
DAYS FISHED, WEIRS. . . .	-	-	-	-	-	-	34

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF U.S. OPERATING UNITS AND FISHING EFFORT, BY STATES AND LAKES, 1969 - Continued

ITEM	MICHIGAN-CONTINUED	INDIANA	ILLINOIS	WISCONSIN		MINNESOTA	
	LAKE SUPERIOR	LAKE MICHIGAN	LAKE MICHIGAN	LAKE MICHIGAN	LAKE SUPERIOR	LAKE SUPERIOR	INTERNATIONAL LAKES
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS:							
REGULAR	21	4	3	66	6	-	-
PART-TIME	37	-	2	60	14	2	-
CASUAL	16	-	-	43	20	6	-
ON BOATS AND SHORE:							
REGULAR	9	2	-	-	-	9	3
PART-TIME	53	4	4	58	4	31	30
CASUAL	37	5	7	150	25	26	9
TOTAL FISHERMEN	173	15	16	377	69	74	42
VESSELS, MOTOR:							
REGULAR	7	2	1	22	2	-	-
PART-TIME	18	-	1	30	7	1	-
CASUAL	8	-	-	21	10	3	-
TOTAL VESSELS	33	2	2	73	19	4	-
TOTAL GROSS TONNAGE	613	40	74	1,652	389	103	-
BOATS:							
MOTOR:							
REGULAR	3	1	-	-	-	3	1
PART-TIME	27	2	2	28	2	16	15
CASUAL	34	3	7	99	15	25	8
TOTAL MOTOR BOATS	64	6	9	127	17	44	24
OTHER:							
PART-TIME	1	-	-	4	-	-	-
CASUAL	-	-	-	4	-	-	-
TOTAL OTHER BOATS	1	-	-	8	-	-	-
DAYS OPERATED:							
FISHERMEN:							
ON VESSELS	8,671	900	873	20,258	2,835	342	-
ON BOATS AND SHORE	7,652	818	411	8,116	891	5,558	3,681
TOTAL FISHERMEN DAYS	16,323	1,718	1,284	28,374	3,726	5,900	3,681
CRAFT:							
VESSELS	3,453	450	336	8,024	1,233	171	-
BOATS, MOTOR	3,985	424	233	4,811	596	2,685	1,857
TOTAL CRAFT DAYS	7,438	874	569	12,835	1,829	2,856	1,857
FISHING EFFORT:							
LIFTS:							
POUND NETS	359	-	-	2,721	785	104	1,178
TRAP NETS	1,138	-	-	8	-	-	-
FYKE AND HOOP NETS	77	-	-	7,422	-	-	-
LIFTS PER 1,000 LINEAR YARDS:							
HAUL SEINES	3	-	-	121	-	-	-
GILL NETS:							
1-1/4 - 2 INCH MESH	49	-	-	384	157	-	-
2-1/8 - 3-7/8 INCH MESH	6,472	2,230	1,559	18,344	1,776	1,269	-
4 - 7 INCH MESH	5,454	78	-	1,812	412	301	1,563
7-1/8 - 14 INCH MESH	60	-	-	184	8	-	-
HOURS TRAWLED	-	-	-	5,258	-	23	-

SEE NOTE ON PAGE 296.

LANDINGS BY STATES, 1969

SPECIES	NEW YORK		PENNSYLVANIA		OHIO	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	100	$45	(1)	$5	-	-
BOWFIN.	1,600	108	-	-	-	-
BUFFALOFISH	-	-	-	-	26,000	$5,984
BULLHEADS	75,600	15,124	(1)	2	35,000	5,788
BURBOT.	-	-	-	-	100	2
CARP.	70,200	1,402	800	29	2,586,800	103,474
CATFISH	2,300	627	700	149	713,500	249,712
CHUBS	500	83	-	-	-	-
CRAPPIE	2,900	620	-	-	-	-
EEL, COMMON	37,700	9,793	-	-	-	-
GIZZARD SHAD.	-	-	-	-	20,500	1,023
GOLDFISH.	-	-	-	-	98,900	2,967
LAKE HERRING.	3,300	1,314	(1)	3	-	-
LAKE TROUT.	(1)	4	-	-	-	-
MOONEYE OR GOLDEYE.	-	-	-	-	(1)	1
PIKE OR PICKEREL.	(1)	2	-	-	-	-
ROCK BASS	12,700	3,406	-	-	-	-
SALMON, SILVER OR COHO. . .	(1)	2	-	-	-	-
SHEEPSHEAD.	24,500	982	3,000	122	1,992,900	99,644
SMELT	300	25	1,400	140	500	47
SUCKERS	39,100	1,561	3,900	171	110,200	4,409
SUNFISH	7,800	1,332	-	-	-	-
WHITE BASS.	3,100	714	2,600	336	1,155,900	346,760
WHITEFISH, COMMON	1,200	794	200	106	700	561
WHITE PERCH	59,700	7,157	-	-	-	-
YELLOW PERCH.	126,300	15,160	479,400	54,599	2,660,500	319,265
YELLOW PIKE	92,500	43,490	4,800	2,106	139,300	83,581
TOTAL	561,400	103,745	496,800	57,768	9,540,800	1,223,218

SPECIES	MICHIGAN		INDIANA		ILLINOIS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	7,489,700	$82,935	-	-	400	$3
BOWFIN.	500	53	-	-	-	-
BUFFALOFISH	7,100	1,638	-	-	-	-
BULLHEADS	30,400	4,072	-	-	-	-
BURBOT.	38,800	1,309	-	-	-	-
CARP.	1,730,900	96,032	-	-	(1)	(1)
CATFISH	143,200	43,141	(1)	$6	-	-
CHUBS	3,439,000	496,345	88,000	16,480	693,200	112,921
CRAPPIE	6,600	2,195	-	-	-	-
GIZZARD SHAD.	3,700	134	-	-	-	-
LAKE HERRING.	1,600,100	225,047	5,200	1,428	100	15
LAKE TROUT.	255,200	148,510	3,400	1,710	(1)	8
PIKE OR PICKEREL.	1,700	189	-	-	-	-
QUILLBACK	28,300	649	-	-	-	-
ROCK BASS	1,800	366	-	-	-	-
SALMON, SILVER OR COHO. . .	1,128,700	33,864	15,200	4,992	(1)	11
SHEEPSHEAD.	53,500	2,693	-	-	-	-
SMELT	2,137,200	43,797	-	-	(1)	1
STURGEON, COMMON.	3,100	3,531	-	-	-	-
SUCKERS	335,800	13,812	12,500	746	(1)	(1)
WHITE BASS.	59,200	16,921	-	-	-	-
WHITEFISH:						
COMMON.	2,020,300	1,211,155	(1)	6	-	-
MENOMINEE	176,200	38,937	-	-	-	-
YELLOW PERCH.	1,164,300	199,778	79,800	16,505	53,100	8,764
YELLOW PIKE	92,400	56,367	-	-	-	-
TOTAL	21,947,700	2,723,470	204,100	41,873	746,800	121,723

SPECIES	WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	21,757,800	$248,974	-	-	29,247,900	$331,912
BLUE PIKE	-	-	-	-	100	50
BOWFIN.	-	-	-	-	2,100	161
BUFFALOFISH	-	-	-	-	33,100	7,622
BULLHEADS	38,100	2,973	300	$4	179,400	27,963
BURBOT.	44,400	2,496	228,300	7,986	311,600	11,793
CARP.	2,118,300	65,357	-	-	6,507,000	266,294
CATFISH	500	110	-	-	860,200	293,745
CHUBS	5,877,000	917,111	58,800	7,055	10,156,500	1,549,995
CRAPPIE	-	-	-	-	9,500	2,815

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY STATES, 1969 - Continued

SPECIES	WISCONSIN		MINNESOTA		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
EEL, COMMON	-	-	-	-	37,700	$9,793
GIZZARD SHAD.	-	-	-	-	24,200	1,1[illegible]
GOLDFISH.	-	-	-	-	98,900	2,[illegible]
LAKE HERRING.	344,600	$31,413	367,600	$36,760	2,320,900	2[illegible]
LAKE TROUT.	22,800	14,123	12,600	8,220	294,000	1[illegible]2,[illegible]
MOONEYE OR GOLDEYE.	-	-	-	-	(1)	1
PIKE OR PICKEREL.	31,300	4,162	68,800	5,495	101,800	[illegible],848
QUILLBACK	-	-	100	3	28,400	[illegible]52
ROCK BASS	-	-	-		14,500	3,[illegible]2
SALMON, SILVER OR COHO. . .	-	-	-	-	1,143,900	36,[illegible]
SAUGER.	-	-	12,400	1,110	12,400	1,110
SHEEPSHEAD.	-	-	-	-	2,073,900	103,441
SMELT	715,900	49,667	758,800	22,765	3,614,100	11[illegible],442
STURGEON, COMMON.	-	-	-	-	[illegible],100	3,531
SUCKERS	664,000	17,876	76,700	1,669	1,24[illegible],200	40,244
SUNFISH	-	-	-	-	[illegible],800	1,332
TULLIBEE.	-	-	1,044,400	36,555	1,044,400	3[illegible],555
WHITE BASS.	-	-	-	-	1,220,800	364,731
WHITEFISH:						
COMMON.	292,500	195,210	45,800	13,634	2,3[illegible]0,700	1,421,466
MENOMINEE	1,100	291	500	55	1[illegible],[illegible]00	39,283
WHITE PERCH	-	-	-	-	[illegible]9,[illegible]00	7,157
YELLOW PERCH.	341,700	62,492	21,200	1,695	4,92[illegible],30[illegible]	678,258
YELLOW PIKE	10,900	4,811	80,700	28,155	420,[illegible]00	218,510
TOTAL	32,2[illegible]0,900	1,[illegible]17,[illegible]	2,777,000	171,161	68,535,500	6,060,024

1/ LESS THAN 50 POUNDS OR 50 CENTS.

LANDINGS BY LAKES AND STATES, 1969

SPECIES	LAKE ONTARIO		LAKE ERIE			
	NEW YORK		NEW YORK		PENNSYLVANIA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	100	$41	(1)	$4	(1)	$5
BOWFIN.	1,600	108	-	-	-	-
BULLHEADS	75,600	15,124	(1)	(1)	(1)	2
CARP.	69,800	1,395	400	7	800	29
CATFISH	1,600	438	700	189	700	149
CHUBS	500	83	-	-	-	-
CRAPPIE	2,900	620	(1)	(1)	-	-
EEL, COMMON	37,700	9,793	-	-	-	-
LAKE HERRING.	3,300	1,313	(1)	1	(1)	3
LAKE TROUT.	-	-	(1)	4	-	-
PIKE OR PICKEREL.	(1)	1	(1)	1	-	-
ROCK BASS	11,600	3,136	1,100	270	-	-
SALMON, SILVER OR COHO. . .	(1)	2	-	-	-	-
SHEEPSHEAD.	-	-	24,500	982	3,000	122
SMELT	-	-	300	25	1,400	140
SUCKERS	5,800	230	33,300	1,331	.3,900	171
SUNFISH	7,800	1,332	-	-	-	-
WHITE BASS.	100	14	3,000	700	2,600	336
WHITEFISH, COMMON	1,200	791	(1)	3	200	106
WHITE PERCH	59,100	7,082	600	75	-	-
YELLOW PERCH.	13,600	1,635	112,700	13,525	479,400	54,599
YELLOW PIKE	1,200	577	91,300	42,913	4,800	2,106
TOTAL	293,500	43,715	267,900	60,030	496,800	57,768

SPECIES	LAKE ERIE - CONTINUED					
	OHIO		MICHIGAN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	-	-	(1)	$9
BUFFALOFISH	26,000	$5,984	7,100	$1,638	33,100	7,622
BULLHEADS	35,000	5,788	500	78	35,500	5,868
BURBOT.	100	2	-	-	100	2
CARP.	2,586,800	103,474	431,800	19,779	3,019,800	123,289
CATFISH	713,500	249,712	21,100	7,490	736,000	257,540
CRAPPIE	-	-	-	-	(1)	(1)
GIZZARD SHAD.	20,500	1,023	2,000	101	22,500	1,124

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LANDINGS BY LAKES AND STATES, 1969 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	OHIO		MICHIGAN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
GOLDFISH	98,900	$2,967	-	-	98,900	$2,967
LAKE HERRING	-	-	-	-	(1)	4
LAKE TROUT	-	-	(1)	$1	(1)	5
MOONEYE OR GOLDEYE	(1)	1	-	-	(1)	1
PIKE OR PICKEREL	-	-	-	-	(1)	1
ROCK BASS	-	-	-	-	1,100	270
SHEEPSHEAD	1,992,900	99,644	39,900	1,546	2,060,300	102,294
SMELT	500	47	-	-	2,200	212
SUCKERS	110,200	4,409	25,400	688	172,800	6,599
WHITE BASS	1,155,900	346,760	57,200	15,866	1,218,700	363,662
WHITEFISH, COMMON	700	561	(1)	2	900	672
WHITE PERCH	-	-	-	-	600	75
YELLOW PERCH	2,660,500	319,265	111,800	13,741	3,364,400	401,130
YELLOW PIKE	139,300	83,581	47,200	26,082	282,600	154,682
TOTAL	9,540,800	1,223,218	744,000	87,012	11,049,500	1,428,028

SPECIES	LAKE HURON		LAKE MICHIGAN			
	MICHIGAN		MICHIGAN		INDIANA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	200	$1	7,489,500	$82,934	-	-
BOWFIN	500	53	-	-	-	-
BULLHEADS	28,200	3,827	1,700	167	-	-
BURBOT	-	-	21,000	571	-	-
CARP	1,297,700	76,189	1,300	59	-	-
CATFISH	122,100	35,647	(1)	4	(1)	$6
CHUBS	13,400	2,721	2,895,400	444,844	88,000	16,480
CRAPPIE	6,600	2,195	-	-	-	-
GIZZARD SHAD	900	16	800	17	-	-
LAKE HERRING	9,700	1,627	36,400	6,766	5,200	1,428
LAKE TROUT	800	429	76,000	35,330	3,400	1,710
PIKE OR PICKEREL	-	-	1,700	189	-	-
QUILLBACK	28,300	649	-	-	-	-
ROCK BASS	1,200	252	600	114	-	-
SALMON, SILVER OR COHO	-	-	1,128,700	33,863	15,200	4,992
SHEEPSHEAD	13,600	1,147	-	-	-	-
SMELT	63,900	3,322	2,063,400	38,009	-	-
STURGEON, COMMON	300	289	2,800	3,242	-	-
SUCKERS	136,500	6,615	119,700	3,530	12,500	746
WHITE BASS	2,000	1,055	-	-	-	-
WHITEFISH:						
COMMON	305,900	185,177	1,181,600	674,172	(1)	6
MENOMINEE	23,900	5,534	143,500	32,112	-	-
YELLOW PERCH	800,000	138,395	248,200	46,926	79,800	16,505
YELLOW PIKE	41,600	28,357	3,400	1,815	-	-
TOTAL	2,897,300	493,497	15,415,700	1,404,664	204,100	41,873

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS		WISCONSIN		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	400	$3	21,757,800	$248,974	29,247,700	$331,911
BULLHEADS	-	-	38,100	2,973	39,800	3,140
BURBOT	-	-	40,200	2,360	61,200	2,931
CARP	(1)	(1)	2,117,700	65,340	2,119,000	65,399
CATFISH	-	-	500	110	500	120
CHUBS	693,200	112,921	5,484,600	872,707	9,161,200	1,446,952
GIZZARD SHAD	-	-	-	-	800	17
LAKE HERRING	100	15	15,200	3,343	56,900	11,552
LAKE TROUT	(1)	8	2,700	1,874	82,100	38,922
PIKE OR PICKEREL	-	-	31,300	4,162	33,000	4,351
ROCK BASS	-	-	-	-	600	114
SALMON, SILVER OR COHO	(1)	11	-	-	1,143,900	38,866
SMELT	(1)	1	417,700	27,628	2,481,100	65,638
STURGEON, COMMON	-	-	-	-	2,800	3,242
SUCKERS	(1)	(1)	657,200	17,738	789,400	22,014
WHITEFISH:						
COMMON	-	-	205,900	145,321	1,387,500	819,499
MENOMINEE	-	-	800	233	144,300	32,345
YELLOW PERCH	53,100	8,764	341,700	62,491	722,800	134,686
YELLOW PIKE	-	-	10,800	4,754	14,200	6,569
TOTAL	746,800	121,723	31,122,200	1,460,008	47,488,800	3,028,268

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKES AND STATES, 1969 - Continued

SPECIES	LAKE SUPERIOR					
	MICHIGAN		WISCONSIN		MINNESOTA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	(1)	(1)	(1)	(1)	-	-
BURBOT	17,800	$738	4,200	$136	400	$11
CARP	100	5	600	17	-	-
CHUBS	530,200	48,780	392,400	44,404	58,800	7,055
LAKE HERRING	1,554,000	216,654	329,400	28,070	367,600	36,760
LAKE TROUT	178,400	112,750	20,100	12,249	12,600	8,220
PIKE OR PICKEREL	(1)	(1)	(1)	(1)	-	-
SALMON, SILVER OR COHO	(1)	1	-	-	-	-
SMELT	9,900	2,466	298,200	22,039	758,800	22,765
SUCKERS	54,200	2,979	6,800	136	2,600	79
WHITEFISH:						
COMMON	532,800	351,804	86,600	49,869	8,500	4,235
MENOMINEE	8,800	1,291	300	58	500	55
YELLOW PERCH	4,300	716	(1)	1	-	-
YELLOW PIKE	200	113	100	57	-	-
TOTAL	2,890,700	738,297	1,138,700	157,058	1,209,800	79,180

SPECIES	LAKE SUPERIOR - CONTINUED		TOTAL, GREAT LAKES		LAKE OF THE WOODS	
	TOTAL				MINNESOTA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	(1)	(1)	29,247,900	$331,912	-	-
BLUE PIKE	-	-	100	50	-	-
BOWFIN	-	-	2,100	161	-	-
BUFFALOFISH	-	-	33,100	7,022	-	-
BULLHEADS	-	-	179,100	27,959	300	$4
BURBOT	22,400	$885	83,700	3,818	222,800	7,800
CARP	700	22	6,507,000	266,294	-	-
CATFISH	-	-	860,200	293,745	-	-
CHUBS	981,400	100,239	10,156,500	1,549,995	-	-
CRAPPIE	-	-	9,500	2,815	-	-
EEL, COMMON	-	-	37,700	9,793	-	-
GIZZARD SHAD	-	-	24,200	1,157	-	-
GOLDFISH	-	-	98,900	2,967	-	-
LAKE HERRING	2,251,000	281,484	2,320,900	295,980	-	-
LAKE TROUT	211,100	133,219	294,000	172,575	-	-
MOONEYE OR GOLDEYE	-	-	(1)	1	-	-
PIKE OR PICKEREL	(1)	(1)	33,000	4,353	66,800	5,340
QUILLBACK	-	-	28,300	649	100	3
ROCK BASS	-	-	14,500	3,772	-	-
SALMON, SILVER OR COHO	(1)	1	1,143,900	38,869	-	-
SAUGER	-	-	-	-	12,400	1,110
SHEEPSHEAD	-	-	2,073,900	103,441	-	-
SMELT	1,066,900	47,270	3,614,100	116,442	-	-
STURGEON, COMMON	-	-	3,100	3,531	-	-
SUCKERS	63,600	3,196	1,168,100	38,654	64,900	1,405
SUNFISH	-	-	7,800	1,332	-	-
TULLIBEE	-	-	-	-	1,039,000	36,370
WHITE BASS	-	-	1,220,800	364,731	-	-
WHITEFISH:						
COMMON	627,900	405,928	2,323,400	1,412,067	(1)	19
MENOMINEE	9,600	1,404	177,800	39,283	-	-
WHITE PERCH	-	-	59,700	7,157	-	-
YELLOW PERCH	4,300	717	4,905,100	676,563	21,200	1,695
YELLOW PIKE	300	170	339,900	190,355	79,100	27,585
TOTAL	5,239,200	974,535	66,968,300	5,968,043	1,506,600	81,331

SPECIES	NAMAKAN LAKE		RAINY LAKE	
	MINNESOTA		MINNESOTA	
	POUNDS	VALUE	POUNDS	VALUE
BURBOT	1,900	$65	3,200	$110
PIKE OR PICKEREL	-	-	2,000	155
SUCKERS	2,300	45	6,900	140
TULLIBEE	2,000	70	3,400	115
WHITEFISH, COMMON	9,000	2,280	28,300	7,100
YELLOW PIKE	-	-	1,600	570
TOTAL	15,200	2,460	45,400	8,190

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKES AND STATES, 1969 - Continued

SPECIES	TOTAL, INTERNATIONAL LAKES		TOTAL, ALL LAKES	
	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	29,247,900	$331,912
BLUE PIKE	-	-	100	50
BOWFIN	-	-	2,100	161
BUFFALOFISH	-	-	33,100	7,622
BULLHEADS	300	$4	179,400	27,963
BURBOT	227,900	7,975	311,600	11,793
CARP	-	-	6,507,000	266,294
CATFISH	-	-	860,200	293,745
CHUBS	-	-	10,156,500	1,549,995
CRAPPIE	-	-	9,500	2,815
EEL, COMMON	-	-	37,700	9,793
GIZZARD SHAD	-	-	24,200	1,157
GOLDFISH	-	-	98,900	2,967
LAKE HERRING	-	-	2,320,900	295,980
LAKE TROUT	-	-	294,000	172,575
MOONEYE OR GOLDEYE	-	-	(1)	1
PIKE OR PICKEREL	68,800	5,495	101,800	9,848
QUILLBACK	100	3	28,400	652
ROCK BASS	-	-	14,500	3,772
SALMON, SILVER OR COHO	-	-	1,143,900	38,869
SAUGER	12,400	1,110	12,400	1,110
SHEEPSHEAD	-	-	2,073,900	103,441
SMELT	-	-	3,614,100	116,442
STURGEON, COMMON	-	-	3,100	3,531
SUCKERS	74,100	1,590	1,242,200	40,244
SUNFISH	-	-	7,800	1,332
TULLIBEE	1,044,400	36,555	1,044,400	36,555
WHITE BASS	-	-	1,220,800	364,731
WHITEFISH:				
COMMON	37,300	9,399	2,360,700	1,421,466
MENOMINEE	-	-	177,800	39,283
WHITE PERCH	-	-	59,700	7,157
YELLOW PERCH	21,200	1,695	4,926,300	678,258
YELLOW PIKE	80,700	28,155	420,600	218,510
TOTAL	1,567,200	91,981	68,535,500	6,060,024

1/ LESS THAN 50 POUNDS OR 50 CENTS.

PROCESSED FISHERY PRODUCTS, 1969

ITEM		NEW YORK		PENNSYLVANIA		OHIO	
		QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHUBS, SMOKED.	POUNDS	-	-	-	-	(1)	(1)
COD FILLETS:							
BREADED RAW AND COOKED, FROZEN	DO	(1)	(1)	-	-	1,003,504	$471,059
SPECIALTIES (BITES, PORTIONS, PIECES, BREADED RAW)	DO	-	-	-		(1)	(1)
FLOUNDER, FROZEN:							
FILLETS BREADED RAW . . .	DO	-	-	-	-	(1)	(1)
SPECIALTIES (IN SAUCE) . .	DO	-	-	-	-	(1)	(1)
HADDOCK, FROZEN:							
FILLETS, BREADED, RAW AND COOKED	DO	(1)	(1)	-	-	(1)	(1)
SPECIALTIES (IN SAUCES).	DO	-	-		-	(1)	(1)
HALIBUT STEAKS, FRESH. . . .	DO	(1)	(1)	-	-	(1)	(1)
HERRING:							
LAKE, SMOKED	DO	-	-	-	-	(1)	(1)
SEA SPECIALTIES, CURED AND REFRIGERATED (IN WINE AND CREAM SAUCES). . . .	DO	-	-	-	-	(1)	(1)
LAKE TROUT FILLETS, FRESH. .	DO	(1)	(1)	-	-	(1)	(1)
OCEAN PERCH FILLETS, BREADED RAW AND COOKED	DO	-	-	-	-	1.633,750	614,828
POLLOCK FILLETS, BREADED COOKED	DO	-	-	-	-	(1)	(1)
SABLEFISH, SMOKED.	DO	-	-	-	-	(1)	(1)
SALMON:							
FILLETS AND STEAKS, FRESH AND FROZEN	DO	(1)	(1)	-	-	(1)	(1)
SALTED	DO	-	-	-	-	(1)	(1)
SMOKED	DO	-	-	-	-	(1)	(1)
SAUGER FILLETS:							
FRESH AND FROZEN	DO	(1)	(1)	-	-	243,000	292,700
BREADED RAW, FROZEN. . . .	DO	-	-	-	-	(1)	(1)
SHEEPSHEAD FILLETS, FRESH. .	DO	-	-	-	-	(1)	(1)
SNAPPER, RED, FILLETS FRESH.	DO	-	-	-	-	(1)	(1)
STRIPED BASS FILLETS, FRESH.	DO	-	-	-	-	(1)	(1)
WHITEBASS FILLETS, FRESH . .	DO	-	-	-	-	(1)	(1)
WHITEFISH:							
FILLETS, FRESH AND FROZEN.	DO	(1)	(1)	30,900	$34,740	100,500	97,725
SMOKED	DO	45,345	$36,530	-	-	(1)	(1)
YELLOW PERCH FILLETS:							
FRESH AND FROZEN	DO	(1)	(1)	(1)	(1)	821,900	539 040
BREADED, RAW AND COOKED. .	DO	-	-	-	-	1,368,390	938,018
YELLOW PIKE:							
DRESSED, FROZEN.	DO	-	-	-	-	(1)	(1)
FILLETS:							
FRESH AND FROZEN	DO	(1)	(1)	84,400	108,680	98,500	126,475
BREADED RAW, FROZEN. . .	DO	-	-	-	-	(1)	(1)
LOBSTERS, SPINY, TAILS RAW FROZEN	DO	-	-	-	-	(1)	(1)
SHRIMP:							
FRESH AND FROZEN:							
COOKED AND PEELED (INCLUDING DEVEINED). . . .	DO	(1)	(1)	-	-	(1)	(1)
BREADED RAW.	DO	(1)	(1)	-	-	252,517	160,041
SPECIALTIES (PORTIONS BREADED COOKED).	DO	-	-	-	-	(1)	(1)
SMOKED	DO	(1)	(1)	-	-	-	-
OYSTERS, BREADED RAW FROZEN.	DO	-	-	-	-	(1)	(1)
SCALLOPS, SEA, BREADED RAW, FROZEN	DO	-	-	-	-	(1)	(1)
UNCLASSIFIED:							
FRESH AND FROZEN PACKAGED, FILLETS, STEAKS, STICKS, PORTIONS, AND OTHER FISH AND SHELLFISH.	DO	618,000	960,145	371,000	303,900	36,902,301	13,533 934
CURED.	DO	(1)	(1)	-	-	220,200	247.680
TOTAL.	-	-	996,675	-	447,320	-	17,021,500

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

PROCESSED FISHERY PRODUCTS, 1969 — Continued

ITEM		MICHIGAN		ILLINOIS & INDIANA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES CANNED ANIMAL FOOD	STANDARD CASES	-	-	(1)	(1)
ANCHOVY PASTE, CANNED	DO	(1)	(1)	-	-
BUFFALOFISH. SMOKED	POUNDS	-	-	(1)	(1)
CARP:					
FILLETS, FRESH AND FROZEN	DO	-	-	(1)	(1)
SMOKED	DO	-	-	(1)	(1)
CHUBS, SMOKED	DO	362,500	$292,415	2.875 311	$1.762 406
COD FILLETS, FRESH	DO	-	-	(1)	(1)
EELS, SMOKED	DO	-	-	(1)	(1)
HERRING:					
LAKE:					
FILLETS, FRESH AND FROZEN	DO	(1)	(1)	-	-
SALTED	DO	(1)	(1)	(1)	(1)
SMOKED	DO	(1)	(1)	-	-
SEA SPECIALTIES, CURED AND REFRIGERATED (IN WINE AND CREAM SAUCES)	DO	(1)	(1)	(1)	(1)
LAKE TROUT:					
FILLETS, FRESH	DO	85,000	100,505	8,500	8,850
SMOKED	DO	6,500	7,130	32,449	37,503
OCEAN PERCH FILLETS, BREADED RAW AND COOKED, FROZEN	DO	-	-	(1)	(1)
PIKE OR PICKEREL FILLETS, FRESH OR FROZEN	DO	(1)	(1)	-	-
SABLEFISH, SMOKED	DO	(1)	(1)	(1)	(1)
SALMON:					
FILLETS AND STEAKS, FRESH AND FROZEN	DO	(1)	(1)	-	-
CANNED:					
PASTE	STANDARD CASES	(1)	(1)	-	-
EGGS FOR BAIT	DO	(1)	(1)	-	-
SALTED (CAVIAR)	POUNDS	(1)	(1)	-	-
SMOKED	DO	(1)	(1)	(1)	(1)
SAUGER FILLETS, FRESH AND FROZEN	DO	(1)	(1)	(1)	(1)
SMELT FILLETS, FRESH AND FROZEN	DO	(1)	(1)	-	-
SNAPPER, RED, FILLETS FRESH	DO	(1)	(1)	(1)	(1)
STURGEON, SMOKED	DO	-	-	(1)	(1)
WHITE BASS, FILLETS FRESH	DO	(1)	(1)	-	-
WHITEFISH:					
FILLETS, FRESH AND FROZEN	DO	408,750	451.495	400,500	413 050
SMOKED	DO	8,800	8 646	(1)	(1)
WHITING. SMOKED	DO	-		(1)	(1)
YELLOW PERCH FILLETS:					
FRESH AND FROZEN	DO	496,980	335,622	2/ 60,000	2/ 39,150
BREADED, RAW AND COOKED	DO	(1)	(1)	(1)	(1)
YELLOW PIKE FILLETS, FRESH AND FROZEN	DO	195,100	230,890	2/120.000	2/130 000
LOBSTERS, NORTHERN CANNED (PASTE)	STANDARD CASES	(1)	(1)	-	-
SHRIMP, CANNED (PASTE)	DO	(1)	(1)	-	-
OYSTERS, BREADED RAW FROZEN	POUNDS	-	-	(1)	(1)
SCALLOPS, SEA, BREADED RAW, FROZEN	DO	-	-	(1)	(1)
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED, FILLETS, STEAKS, STICKS, PORTIONS, AND OTHER FISH AND SHELLFISH	DO	407,112	581,115	3,331,266	687.345
CANNED	STANDARD CASES	(1)	(1)	(1)	(1)
CURED	POUNDS	1,828,000	2,569,935	4,936,949	3,109,962
TOTAL	-	-	4,577,753	-	6,188,266

ITEM		WISCONSIN		MINNESOTA	
		QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES:					
SPECIALTIES CURED AND REFRIGERATED (IN WINE AND CREAM SAUCE)	POUNDS	(1)	(1)	-	-
MEAL AND SCRAP	TONS	(1)	(1)	-	-
OIL	1,000 POUNDS	(1)	(1)	-	-
BUFFALOFISH STEAKS, FRESH	POUNDS	(1)	(1)	-	-
CARP, SMOKED	DO	30,000	$10,320	-	-
CHUBS, SMOKED	DO	1,591,579	904 744	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PROCESSED FISHERY PRODUCTS, 1969 —Continued

ITEM		WISCONSIN		MINNESOTA	
		QUANTITY	VALUE	QUANTITY	VALUE
COD FILLETS:					
BREADED RAW AND COOKED, FROZEN	POUNDS	(1)	(1)	-	-
SALTED (LUTEFISK)	DO	-	-	(1)	(1)
HADDOCK, FROZEN FILLETS, BREADED, RAW AND COOKED.	DO	(1)	(1)	-	-
HALIBUT STEAKS, FRESH	DO	(1)	(1)	-	-
HERRING:					
LAKE:					
DRESSED AND SCALED, FROZEN. .	DO	-	-	(1)	(1)
FILLETS, FRESH AND FROZEN . .	DO	(1)	(1)	(1)	(1)
SALTED.	DO	(1)	(1)	(1)	(1)
SMOKED.	DO	72,250	$35,788	(1)	(1)
SEA, SALTED	DO	-	-	(1)	(1)
LAKE TROUT:					
FILLETS, FRESH.	DO	46,975	62,677	(1)	(1)
SMOKED.	DO	10,746	9 981	(1)	(1)
PIKE OR PICKEREL FILLETS, FRESH OR FROZEN	DO	5,850	3 022	-	-
SABLEFISH, SMOKED	DO	6,678	4,077	-	-
SALMON:					
FILLETS AND STEAKS, FRESH AND FROZEN.	DO	(1)	(1)	-	-
SMOKED.	DO	31,051	28,889	(1)	(1)
SAUGER FILLETS, FRESH AND FROZEN.	DO	(1)	(1)	-	
SMELT:					
DRESSED, FROZEN	DO	-	-	(1)	(1)
FILLETS, FRESH AND FROZEN . . .	DO	(1)	(1)	-	-
WHITEFISH:					
FILLETS, FRESH AND FROZEN . . .	DO	138,250	152,140	(1)	(1)
CANNED (CAVIAR)	STANDARD CASES	(1)	(1)	-	-
SMOKED.	POUNDS	69,041	54,121	(1)	(1)
YELLOW PERCH FILLETS:					
FRESH AND FROZEN.	DO	708,680	475,136	-	-
BREADED, RAW AND COOKED	DO	261,000	175,550	-	-
YELLOW PIKE:					
DRESSED, FROZEN	DO	(1)	(1)	-	-
FILLETS:					
FRESH AND FROZEN.	DO	89,839	120,710	(1)	(1)
BREADED RAW, FROZEN	DO	(1)	(1)	-	-
FROG LEGS, FROZEN	DO	(1)	(1)	-	-
UNCLASSIFIED:					
FRESH AND FROZEN PACKAGED, FILLETS, STEAKS, STICKS, PORTIONS, AND OTHER FISH AND SHELLFISH	DO	1,778,444	1,230,195	2,414,950	$766,473
CANNED.	STANDARD CASES	(1)	(1)	-	-
CURED	POUNDS	(1)	(1)	(1)	(1)
INDUSTRIAL.	-	-	(1)	-	-
TOTAL	-	-	3,260,350	-	766 473

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH

2/ A SMALL PRODUCTION OF YELLOW PERCH AND YELLOW PIKE FILLETS PRODUCED IN INDIANA HAS BEEN INCLUDED WITH ILLINOIS.

NOTE:--SOME OF THE PRODUCTS MAY HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

GREAT LAKES FISHERIES

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	5,205
FROZEN	17,059
CANNED AND INDUSTRIAL	768
CURED	10,226
TOTAL	33,258

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
NEW YORK	997
PENNSYLVANIA	447
OHIO	17,022
MICHIGAN	4,578
ILLINOIS AND INDIANA	6,188
WISCONSIN	3,260
MINNESOTA	766
TOTAL	33,258

WHOLESALING AND PROCESSING, 1969

ITEM	NEW YORK	PENNSYLVANIA	OHIO	ILLINOIS	INDIANA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:					
ESTABLISHMENTS	21	6	31	41	4
PERSONS ENGAGED:					
AVERAGE FOR SEASON	194	20	499	791	16
AVERAGE FOR YEAR	174	17	433	732	15

ITEM	MICHIGAN	MINNESOTA	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:				
ESTABLISHMENTS	56	8	38	205
PERSONS ENGAGED:				
AVERAGE FOR SEASON	448	92	313	2 373
AVERAGE FOR YEAR	331	46	284	2 032

LAKE ONTARIO - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	TRAP NETS	FYKE AND HOOP NETS	GILL NETS	
				2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS:					
PART-TIME	-	-	-	-	2
CASUAL	-	-	-	2	-
ON BOATS AND SHORE:					
PART-TIME	-	2	2	-	-
CASUAL	8	22	12	-	2
TOTAL FISHERMEN	8	24	14	2	4
VESSELS, MOTOR:					
PART-TIME	-	-	-	-	1
CASUAL	-	-	-	1	-
TOTAL VESSELS	-	-	-	1	1
TOTAL GROSS TONNAGE	-	-	-	10	10
BOATS:					
MOTOR:					
PART-TIME	-	1	1	-	-
CASUAL	4	11	6	-	1
TOTAL MOTOR BOATS	4	12	7	-	1
OTHER, CASUAL	4	-	-	-	-
DAYS OPERATED:					
FISHERMEN:					
ON VESSELS	-	-	-	70	220
ON BOATS AND SHORE	86	676	378	-	74
TOTAL FISHERMEN DAYS	86	676	378	70	294
CRAFT:					
VESSELS	-	-	-	35	110
BOATS, MOTOR	43	338	189	-	37
TOTAL CRAFT DAYS	43	338	189	35	147
FISHING EFFORT:					
LIFTS	-	1,396	441		-
LIFTS PER 1,000 LINEAR YARDS	9	-	-	55	167

SEE NOTE ON PAGE 296.

LAKE ERIE - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	TRAP NETS	FYKE AND HOOP NETS	GILL NETS		LINES, LONG OR SET WITH HOOKS
				2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS:						
REGULAR.	-	-	-	18	-	-
PART-TIME.	-	30	-	12	4	-
CASUAL	2	20	2	8	9	-
ON BOATS AND SHORE:						
REGULAR.	6	-	-	3	-	-
PART-TIME.	16	8	-	2	2	34
CASUAL	82	26	8	21	17	95
TOTAL FISHERMEN. . .	106	84	10	64	32	129
VESSELS, MOTOR:						
REGULAR.	-	-	-	6	-	-
PART-TIME.	-	15	-	6	2	-
CASUAL	1	10	1	4	4	-
TOTAL VESSELS.	1	25	1	16	6	-
TOTAL GROSS TONNAGE. .	13	168	17	222	73	-
BOATS:						
MOTOR:						
REGULAR.	2	-	-	1	-	-
PART-TIME.	8	4	-	1	1	17
CASUAL	41	13	4	18	16	90
TOTAL MOTOR BOATS. .	51	17	4	20	17	107
OTHER:						
REGULAR.	2	-	-	-	-	-
PART-TIME.	8	-	-	-	-	-
CASUAL	42	-	-	-	-	-
TOTAL OTHER BOATS. . .	52	-	-	-	-	-
DAYS OPERATED:						
FISHERMEN:						
ON VESSELS	82	2,830	6	4,706	376	-
ON BOATS AND SHORE . .	3,698	1,050	222	1,026	260	4,953
TOTAL FISHERMEN DAYS .	3,780	3,880	228	5,732	636	4,953
CRAFT:						
VESSELS.	46	1,416	3	1,794	169	-
BOATS, MOTOR	1,674	525	111	534	209	3,291
TOTAL CRAFT DAYS . . .	1,720	1,941	114	2,328	378	3,291
FISHING EFFORT:						
LIFTS.	-	12,744	449	-	-	-
LIFTS PER 1,000 LINEAR YARDS	2,280	-	-	5,807	822	-
LIFTS PER 1,000 HOOKS. .	-	-	-	-	-	1,390

SEE NOTE ON PAGE 296.

GREAT LAKES FISHERIES

LAKE HURON - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	POUND NETS	TRAP NETS	FYKE AND HOOP NETS
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS:				
PART-TIME.	-	-	8	-
CASUAL	-	-	16	2
ON BOATS AND SHORE:				
PART-TIME.	-	-	20	-
CASUAL	22	10	42	8
TOTAL FISHERMEN.	22	10	86	10
VESSELS, MOTOR:				
PART-TIME.	-	-	4	-
CASUAL	-	-	8	1
TOTAL VESSELS.	-	-	12	1
TOTAL GROSS TONNAGE. . .	-	-	107	9
BOATS:				
MOTOR:				
PART-TIME.	-	-	9	-
CASUAL	10	5	21	4
TOTAL MOTOR BOATS. . .	10	5	30	4
OTHER, CASUAL.	10	-	-	-
DAYS OPERATED:				
FISHERMEN:				
ON VESSELS	-	-	1,224	34
ON BOATS AND SHORE . . .	346	138	2,709	132
TOTAL FISHERMEN DAYS .	346	138	3,933	166
CRAFT:				
VESSELS.	-	-	612	17
BOATS, MOTOR	156	69	1,275	66
TOTAL CRAFT DAYS . . .	156	69	1,887	83
FISHING EFFORT:				
LIFTS.	-	106	7,657	324
LIFTS PER 1,000 LINEAR YARDS	154	-	-	-

ITEM	GILL NETS			LINES, LONG OR SET WITH HOOKS
	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS:				
REGULAR.	6	-	-	-
PART-TIME.	4	8	-	-
CASUAL	22	26	6	-
ON BOATS AND SHORE:				
REGULAR.	3	-	-	-
PART-TIME.	4	13	26	20
CASUAL	29	21	19	30
TOTAL FISHERMEN.	68	68	51	50
VESSELS, MOTOR:				
REGULAR.	2	-	-	-
PART-TIME.	2	4	-	-
CASUAL	11	12	3	-
TOTAL VESSELS.	15	16	3	-
TOTAL GROSS TONNAGE. . .	261	270	34	-

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LAKE HURON - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969 - Continued

ITEM	GILL NETS			LINES, LONG OR SET WITH HOOKS
	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESS	7-1/8 - 14 INCH MESH	
	NUMBER	NUMBER	NUMBER	NUMBER
BOATS, MOTOR:				
REGULAR	1	-	-	-
PART-TIME	2	6	12	10
CASUAL	18	14	12	17
TOTAL MOTOR BOATS	21	20	24	27
DAYS OPERATED:				
FISHERMEN:				
ON VESSELS	2,117	899	98	-
ON BOATS AND SHORE	1,377	1,617	3,091	2,727
TOTAL FISHERMEN DAYS	3,494	2,516	3,189	2,727
CRAFT:				
VESSELS	854	443	49	-
BOATS, MOTOR	650	828	1,452	1,371
TOTAL CRAFT DAYS	1,504	1,271	1,501	1,371
FISHING EFFORT:				
LIFTS PER 1,000 LINEAR YARDS	2,308	2,874	2,030	-
LIFTS PER 1,000 HOOKS	-	-	-	952

SEE NOTE ON PAGE 296.

LAKE MICHIGAN - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS	WEIRS	POUND NETS	TRAP NETS	FYKE AND HOOP NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS:						
PART-TIME	-	24	-	4	8	-
CASUAL	-	6	-	12	16	2
ON BOATS AND SHORE:						
PART-TIME	4	-	-	16	-	16
CASUAL	12	-	9	103	20	36
TOTAL FISHERMEN	16	30	9	135	44	54
VESSELS, MOTOR:						
PART-TIME	-	11	-	2	4	-
CASUAL	-	3	-	5	8	1
TOTAL VESSELS	-	14	-	7	12	1
TOTAL GROSS TONNAGE	-	397	-	114	136	12
BOATS:						
MOTOR:						
PART-TIME	2	-	-	8	-	8
CASUAL	6	-	-	52	10	19
TOTAL MOTOR BOATS	8	-	-	60	10	27
OTHER:						
PART-TIME	2	-	-	-	-	-
CASUAL	6	-	-	-	-	-
TOTAL OTHER BOATS	8	-	-	-	-	-
DAYS OPERATED:						
FISHERMEN:						
ON VESSELS	-	2,881	-	576	1,068	42
ON BOATS AND SHORE	450	-	102	3,854	331	2,156
TOTAL FISHERMEN DAYS	450	2,881	102	4,430	1,399	2,198
CRAFT:						
VESSELS	-	1,310	-	264	534	21
BOATS, MOTOR	228	-	-	1,947	180	1,096
TOTAL CRAFT DAYS	228	1,310	-	2,211	714	1,117
FISHING EFFORT:						
LIFTS	-	-	-	5,597	2,289	7,618
LIFTS PER 1,000 LINEAR YARDS	121	-	-	-	-	-
HOURS TRAWLED	-	5,796	-	-	-	-
DAYS FISHED	-	-	34	-	-	-

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

GREAT LAKES FISHERIES

LAKE MICHIGAN - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969 - Continued

ITEM	GILL NETS				LINES, LONG OR SET WITH HOOKS
	1-1/4 - 2 INCH MESH	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS:					
REGULAR	-	82	-	-	-
PART-TIME	2	73	47	-	-
CASUAL.	18	89	65	-	-
ON BOATS AND SHORE:					
REGULAR	-	2	-	-	-
PART-TIME	-	34	2	2	4
CASUAL.	27	125	80	10	-
TOTAL FISHERMEN . . .	47	405	194	12	4
VESSELS, MOTOR:					
REGULAR	-	28	-	-	-
PART-TIME	1	35	22	-	-
CASUAL.	8	44	31	-	-
TOTAL VESSELS	9	107	53	-	-
TOTAL GROSS TONNAGE .	140	2,573	1,212	-	-
BOATS, MOTOR:					
REGULAR	-	1	-	-	-
PART-TIME	-	17	1	-	2
CASUAL.	15	98	46	3	-
TOTAL MOTOR BOATS . .	15	116	47	3	2
DAYS OPERATED:					
FISHERMEN:					
ON VESSELS.	579	25,942	4,876	-	-
ON BOATS AND SHORE. . .	564	4,952	1,859	372	286
TOTAL FISHERMEN DAYS.	1,143	30,893	6,735	372	286
CRAFT:					
VESSELS	246	10,294	2,357	-	-
BOATS, MOTOR.	325	3,058	1,186	317	143
TOTAL CRAFT DAYS. . .	571	13,352	3,543	317	143
FISHING EFFORT:					
LIFTS PER 1,000 LINEAR YARDS.	512	31,327	11,976	184	-
LIFTS PER 1,000 HOOKS . .	-	-	-	-	54

SEE NOTE ON PAGE 296.

GREAT LAKES FISHERIES

LAKE SUPERIOR - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS	POUND NETS	TRAP NETS	FYKE AND HOOP NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS:					
PART-TIME	-	-	3	4	-
CASUAL	-	2	2	4	-
ON BOATS AND SHORE:					
PART-TIME	-	-	6	-	-
CASUAL	2	-	16	10	3
TOTAL FISHERMEN	2	2	27	18	3
VESSELS, MOTOR:					
PART-TIME	-	-	1	2	-
CASUAL	-	1	1	2	-
TOTAL VESSELS	-	1	2	4	-
TOTAL GROSS TONNAGE	-	63	59	55	-
BOATS:					
MOTOR:					
PART-TIME	-	-	3	-	-
CASUAL	1	-	8	5	2
TOTAL MOTOR BOATS	1	-	11	5	2
OTHER, CASUAL	1	-	-	-	-
DAYS OPERATED:					
FISHERMEN:					
ON VESSELS	-	72	290	538	-
ON BOATS AND SHORE	22	-	774	95	74
TOTAL FISHERMEN DAYS	22	72	1,064	633	74
CRAFT:					
VESSELS	-	36	98	269	-
BOATS, MOTOR	11	-	387	45	44
TOTAL CRAFT DAYS	11	36	485	314	44
FISHING EFFORT:					
LIFTS	-	-	1,248	1,138	77
LIFTS PER 1,000 LINEAR YARDS	3	-	-	-	-
HOURS TRAWLED	-	29	-	-	-

ITEM	GILL NETS			
	1-1/4 - 2 INCH MESH	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS:				
REGULAR	-	12	-	-
PART-TIME	4	36	17	-
CASUAL	23	54	67	13
ON BOATS AND SHORE:				
REGULAR	-	9	-	-
PART-TIME	2	39	46	-
CASUAL	15	80	52	4
TOTAL FISHERMEN	44	230	182	17
VESSELS, MOTOR:				
REGULAR	-	4	-	-
PART-TIME	2	16	7	-
CASUAL	10	26	31	5
TOTAL VESSELS	12	46	38	5
TOTAL GROSS TONNAGE	205	911	793	107

SEE NOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LAKE SUPERIOR - OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969 - Continued

ITEM	GILL NETS			
	1-1/4 - 2 INCH MESH	2-1/8 - 3-7/8 INCH MESH	4 - 7 INCH MESH	7-1/8 - 14 INCH MESH
	NUMBER	NUMBER	NUMBER	NUMBER
BOATS, MOTOR:				
REGULAR	-	3	-	-
PART-TIME	1	18	22	-
CASUAL.	7	63	40	2
TOTAL MOTOR BOATS . .	8	84	62	2
DAYS OPERATED:				
FISHERMEN:				
ON VESSELS.	771	7,165	2,926	86
ON BOATS AND SHORE. . .	565	7,332	5,123	116
TOTAL FISHERMEN DAYS.	1,336	14,497	8,049	202
CRAFT:				
VESSELS	363	2,838	1,222	31
BOATS, MOTOR.	377	3,594	2,750	58
TOTAL CRAFT DAYS. . .	740	6,432	3,972	89
FISHING EFFORT, LIFTS PER 1,000 LINEAR YARDS.	206	9,517	6,167	68

SEE NOTE ON PAGE 296.

LAKE OF THE WOODS, NAMAKAN LAKE, AND RAINY LAKE OPERATING UNITS AND FISHING EFFORT BY GEAR, 1969

ITEM	POUND NETS	GILL NETS, 4 - 7 INCH MESH
	NUMBER	NUMBER
FISHERMEN:		
ON BOATS AND SHORE:		
REGULAR	-	3
PART-TIME	6	24
CASUAL.	2	7
TOTAL FISHERMEN . . .	8	34
BOATS, MOTOR:		
REGULAR	-	1
PART-TIME	3	12
CASUAL.	1	7
TOTAL MOTOR BOATS . .	4	20
DAYS OPERATED:		
FISHERMEN, ON BOATS AND SHORE.	502	3,179
CRAFT, BOATS, MOTOR . . .	251	1,606
FISHING EFFORT:		
LIFTS	1,178	-
LIFTS PER 1,000 LINEAR YARDS.	-	1,563

SEE NOTE ON PAGE 296.

GREAT LAKES FISHERIES

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969

SPECIES	LAKE ONTARIO					
	NEW YORK					
	HAUL SEINES, COMMON		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,300	$88	100	$10	200	$10
BULLHEADS	6,000	1,194	63,200	12,651	5,700	1,147
CARP	67,100	1,342	2,600	52	100	1
CATFISH	-	-	1,500	402	100	36
CHUBS	-	-	(1)	(1)	-	-
CRAPPIE	300	67	1,900	393	400	89
EEL, COMMON	100	26	37,100	9,648	500	119
LAKE HERRING	-	-	100	30	-	-
ROCK BASS	-	-	7,800	2,104	(1)	6
SUCKERS	-	-	5,500	217	300	13
SUNFISH	-	-	7,300	1,248	300	50
WHITE BASS	-	-	100	14	-	-
WHITEFISH, COMMON	-	-	(1)	1	-	-
WHITE PERCH	2,300	269	4,900	591	700	81
YELLOW PERCH	-	-	6,700	804	100	20
YELLOW PIKE	-	-	1,100	543	-	-
TOTAL	77,100	2,986	139,900	28,708	8,400	1,572

SPECIES	LAKE ONTARIO - CONTINUED					
	NEW YORK - CONTINUED					
	GILL NETS				TOTAL	
	2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	100	$41	100	$41
BOWFIN	-	-	-	-	1,600	108
BULLHEADS	-	-	700	132	75,600	15,124
CARP	-	-	-	-	69,800	1,395
CATFISH	-	-	-	-	1,600	438
CHUBS	-	-	500	83	500	83
CRAPPIE	100	$27	200	44	2,900	620
EEL, COMMON	-	-	-	-	37,700	9,793
LAKE HERRING	300	124	2,900	1,159	3,300	1,313
PIKE OR PICKEREL	-	-	(1)	1	(1)	1
ROCK BASS	-	-	3,800	1,026	11,600	3,136
SALMON, SILVER OR COHO	-	-	(1)	2	(1)	2
SUCKERS	-	-	-	-	5,800	230
SUNFISH	-	-	200	34	7,800	1,332
WHITE BASS	-	-	-	-	100	14
WHITEFISH, COMMON	-	-	1,200	790	1,200	791
WHITE PERCH	10,500	1,259	40,700	4,882	59,100	7,082
YELLOW PERCH	2,000	235	4,800	576	13,600	1,635
YELLOW PIKE	-	-	100	34	1,200	577
TOTAL	12,900	1,645	55,200	8,804	293,500	43,715

SPECIES	LAKE ERIE					
	NEW YORK					
	GILL NETS				TOTAL	
	2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	-	-	(1)	$4	(1)	$4
BULLHEADS	(1)	(1)	-	-	(1)	(1)
CARP	-	-	400	7	400	7
CATFISH	(1)	$5	700	184	700	189
CRAPPIE	(1)	(1)	-	-	(1)	(1)
LAKE HERRING	(1)	1	-	-	(1)	1
LAKE TROUT	(1)	4	-	-	(1)	4
PIKE OR PICKEREL	-	-	(1)	1	(1)	1
ROCK BASS	500	113	600	157	1,100	270
SHEEPSHEAD	8,500	339	16,000	643	24,500	982
SMELT	300	25	-	-	300	25
SUCKERS	15,900	635	17,400	696	33,300	1,331
WHITE BASS	2,300	538	700	162	3,000	700
WHITEFISH, COMMON	-	-	(1)	3	(1)	3
WHITE PERCH	600	75	-	-	600	75
YELLOW PERCH	112,100	13,455	600	70	112,700	13,525
YELLOW PIKE	1,200	571	90,100	42,342	91,300	42,913
TOTAL	141,400	15,761	126,500	44,269	267,900	60,030

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	PENNSYLVANIA					
	GILL NETS				TOTAL	
	2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BLUE PIKE	(1)	$3	(1)	$2	(1)	$5
BULLHEADS	(1)	2	-	-	(1)	2
CARP	500	16	300	13	800	29
CATFISH	600	121	100	28	700	149
LAKE HERRING	(1)	3	-	-	(1)	3
SHEEPSHEAD	1,200	38	1,800	84	3,000	122
SMELT	1,400	140	-	-	1,400	140
SUCKERS	2,400	75	1,500	96	3,900	171
WHITE BASS	2,400	309	200	27	2,600	336
WHITEFISH, COMMON	100	40	100	66	200	106
YELLOW PERCH	479,400	54,595	(1)	4	479,400	54,599
YELLOW PIKE	1,900	790	2,900	1,316	4,800	2,106
TOTAL	489,900	56,132	6,900	1,636	496,800	57,768

SPECIES	LAKE ERIE - CONTINUED					
	OHIO					
	HAUL SEINES, COMMON		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	17,500	$4,033	8,300	$1,915	200	$34
BULLHEADS	21,500	3,547	11,600	1,914	200	41
BURBOT	-	-	100	2	-	-
CARP	2,462,000	98,480	123,900	4,954	300	14
CATFISH	453,700	158,776	132,300	46,306	1,100	380
GIZZARD SHAD	3,500	177	17,000	846	-	-
GOLDFISH	98,900	2,967	-	-	-	-
MOONEYE OR GOLDEYE	(1)	1	-	-	-	-
SHEEPSHEAD	1,613,700	80,687	377,000	18,847	200	10
SMELT	-	-	200	21	-	-
SUCKERS	33,000	1,320	76,600	3,066	-	-
WHITE BASS	465,200	139,556	669,900	200,975	17,800	5,326
WHITEFISH, COMMON	-	-	700	556	-	-
YELLOW PERCH	73,100	8,770	1,377,400	165,290	3,400	405
YELLOW PIKE	21,200	12,716	117,400	70,469	400	241
TOTAL	5,263,300	511,030	2,912,400	515,161	23,600	6,451

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED					
	GILL NETS				LINES, LONG OR SET WITH HOOKS	
	2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	-	-	(1)	$2
BULLHEADS	(1)	$1	-	-	1,700	285
CARP	200	10	-	-	400	16
CATFISH	100	39	-	-	126,300	44,211
SHEEPSHEAD	1,400	71	-	-	600	29
SMELT	300	26	-	-	-	-
SUCKERS	600	23	-	-	-	-
WHITE BASS	2,700	814	300	$88	(1)	1
WHITEFISH, COMMON	(1)	5	-	-	-	-
YELLOW PERCH	1,197,100	143,658	9,400	1,132	100	10
YELLOW PIKE	300	155	-	-	-	-
TOTAL	1,202,700	144,802	9,700	1,220	129,100	44,554

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE ERIE - CONTINUED					
	OHIO - CONTINUED		MICHIGAN			
	TOTAL		HAUL SEINES, COMMON		TRAP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	26,000	$5,984	500	$127	6,600	$1,511
BULLHEADS	35,000	5,788	-	-	500	78
BURBOT	100	2	-	-	-	-
CARP	2,586,800	103,474	339,000	16,581	67,300	1,719
CATFISH	713,500	249,712	6,100	2,107	12,300	4,471
GIZZARD SHAD	20,500	1,023	-	-	2,000	101
GOLDFISH	98,900	2,967	-	-	-	-
LAKE TROUT	-	-	-	-	(1)	1
MOONEYE OR GOLDEYE	(1)	1	-	-	-	-
SHEEPSHEAD	1,992,900	99,644	100	5	38,100	1,453
SMELT	500	47	-	-	-	-
SUCKERS	110,200	4,409	-	-	25,100	649
WHITE BASS	1,155,900	346,760	200	50	55,600	15,446
WHITEFISH, COMMON	700	561	-	-	(1)	2
YELLOW PERCH	2,660,500	319,265	-	-	107,300	12,709
YELLOW PIKE	139,300	83,581	-	-	47,100	26,064
TOTAL	9,540,800	1,223,218	345,900	18,870	361,900	64,204

SPECIES	LAKE ERIE - CONTINUED					
	MICHIGAN - CONTINUED					
	FYKE AND HOOP NETS		GILL NETS			
			2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	6,800	$563	300	$9	17,600	$878
CATFISH	1,200	449	-	-	700	248
SHEEPSHEAD	1,400	81	-	-	-	-
SUCKERS	300	39	-	-	-	-
WHITE BASS	1,400	370	-	-	-	-
YELLOW PERCH	600	112	3,900	920	-	-
YELLOW PIKE	-	-	100	18	-	-
TOTAL	11,700	1,614	4,300	947	18,300	1,126

SPECIES	LAKE ERIE - CONTINUED				LAKE HURON	
	MICHIGAN - CONTINUED				MICHIGAN	
	LINES, LONG OR SET WITH HOOKS		TOTAL		HAUL SEINES, COMMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	7,100	$1,638	-	-
BULLHEADS	-	-	500	78	200	$41
CARP	800	$29	431,800	19,779	149,500	5,144
CATFISH	800	215	21,100	7,490	3,600	905
CRAPPIE	-	-	-	-	(1)	2
GIZZARD SHAD	-	-	2,000	101	-	-
LAKE TROUT	-	-	(1)	1	-	-
QUILLBACK	-	-	-	-	400	4
ROCK BASS	-	-	-	-	(1)	1
SHEEPSHEAD	300	7	39,900	1,546	100	1
SUCKERS	-	-	25,400	688	8,400	391
WHITE BASS	-	-	57,200	15,866	-	-
WHITEFISH, COMMON	-	-	(1)	2	-	-
YELLOW PERCH	-	-	111,800	13,741	1,300	196
YELLOW PIKE	-	-	47,200	26,082	-	-
TOTAL	1,900	251	744,000	87,012	163,500	6,685

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	300	$37	200	$16
BULLHEADS	-	-	26,200	3,542	1,000	170
CARP	-	-	178,600	6,509	3,400	103
CATFISH	-	-	53,000	17,879	2,900	1,152
CHUBS	-	-	100	74	-	-
CRAPPIE	-	-	6,600	2,191	-	-
GIZZARD SHAD	-	-	700	11	-	-
LAKE HERRING	-	-	2,600	543	-	-
QUILLBACK	-	-	25,600	607	1,300	25
ROCK BASS	-	-	1,100	231	-	-
SHEEPSHEAD	-	-	10,700	646	700	35
SMELT	62,100	$3,105	-	-	-	-
STURGEON, COMMON	(1)	15	300	241	-	-
SUCKERS	-	-	87,700	4,027	21,000	1,240
WHITE BASS	-	-	1,900	1,006	100	47
WHITEFISH:						
COMMON	6,800	3,492	114,000	76,695	-	-
MENOMINEE	-	-	100	7	-	-
YELLOW PERCH	-	-	371,900	62,407	7,800	1,654
YELLOW PIKE	-	-	34,100	24,363	600	445
TOTAL	68,900	6,612	915,500	201,016	39,000	4,887

SPECIES	LAKE HURON - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS					
	2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH		7-1/8 - 14 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	200	$1	-	-	-	-
BOWFIN	-	-	(1)	(1)	-	-
BULLHEADS	200	27	(1)	$1	-	-
CARP	400	26	3,600	102	961,800	$64,234
CATFISH	300	74	1,100	279	1,400	132
CHUBS	13,300	2,647	-	-	-	-
CRAPPIE	-	-	(1)	2	-	-
GIZZARD SHAD	-	-	-	-	200	5
LAKE HERRING	7,100	1,076	(1)	8	-	-
LAKE TROUT	-	-	800	429	-	-
QUILLBACK	-	-	-	-	1,000	13
ROCK BASS	-	-	(1)	(1)	-	-
SHEEPSHEAD	(1)	(1)	300	9	(1)	1
SMELT	1,100	61	700	156	-	-
STURGEON, COMMON	-	-	(1)	33	-	-
SUCKERS	9,100	248	9,000	642	1,000	51
WHITE BASS	-	-	(1)	2	-	-
WHITEFISH:						
COMMON	-	-	185,100	104,990	-	-
MENOMINEE	23,400	5,312	400	215	-	-
YELLOW PERCH	417,900	73,889	800	162	-	-
YELLOW PIKE	400	215	6,500	3,334	-	-
TOTAL	473,400	83,576	208,300	110,364	965,400	64,436

.SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE HURON - CONTINUED				LAKE MICHIGAN	
	MICHIGAN - CONTINUED				MICHIGAN	
	LINES, LONG OR SET WITH HOOKS		TOTAL		OTTER TRAWLS	
	POUNDS	VALJE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	200	$1	1,738,600	$29,428
BOWFIN	-	-	500	53	-	-
BULLHEADS	600	$46	28,200	3,827	-	-
BURBOT	-	-	-	-	200	7
CARP	400	71	1,297,700	76,189	200	4
CATFISH	59,800	15,226	122,100	35,647	-	-
CHUBS	-	-	13,400	2,721	25,500	799
CRAPPIE	-	-	6,600	2,195	-	-
GIZZARD SHAD	-	-	900	16	-	-
LAKE HERRING	-	-	9,700	1,627	-	-
LAKE TROUT	-	-	800	429	-	-
QUILLBACK	-	-	28,300	649	-	-
ROCK BASS	100	20	1,200	252	-	-
SHEEPSHEAD	1,800	455	13,600	1,147	-	-
SMELT	-	-	63,900	3,322	166,000	1,273
STURGEON, COMMON	-	-	300	289	-	-
SUCKERS	300	16	136,500	6,615	700	20
WHITE BASS	-	-	2,000	1,055	-	-
WHITEFISH:						
COMMON	-	-	305,900	185,177	500	291
MENOMINEE	-	-	23,900	5,534	-	-
YELLOW PERCH	300	87	800,000	138,395	(1)	1
YELLOW PIKE	-	-	41,600	28,357	(1)	1
TOTAL	63,300	15,921	2,897,300	493,497	1,931,700	31,824

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	5,740,100	$53,381	-	-	1,000	$10
BULLHEADS	(1)	1	700	$68	(1)	(1)
BURBOT	5,300	83	-	-	200	4
CARP	800	43	(1)	2	-	-
GIZZARD SHAD	(1)	1	-	-	-	-
LAKE HERRING	(1)	6	-	-	-	-
LAKE TROUT	(1)	4	-	-	-	-
PIKE OR PICKEREL	1,600	178	-	-	-	-
ROCK BASS	100	99	500	105	-	-
SMELT	1,867,500	31,656	-	-	-	-
STURGEON, COMMON	200	205	600	577	-	-
SUCKERS	82,400	1,292	600	60	11,300	538
WHITEFISH:						
COMMON	151,500	70,604	375,700	239,566	-	-
MENOMINEE	(1)	3	200	35	-	-
YELLOW PERCH	(1)	4	200	35	1,000	209
YELLOW PIKE	800	387	900	379	600	266
TOTAL	7,850,300	157,947	379,400	240,827	14,100	1,027

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	WEIRS		GILL NETS			
			1-1/4 - 2 INCH MESH		2-1/8 - 3-7/8 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	-	-	8,100	$94
BULLHEADS	-	-	-	-	1,000	98
CARP	-	-	-	-	100	4
CATFISH	-	-	-	-	(1)	4
CHUBS	-	-	-	-	2,869,900	444,045
GIZZARD SHAD	-	-	-	-	800	16
LAKE HERRING	-	-	-	-	33,900	6,342

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	WEIRS		GILL NETS			
			1-1/4 - 2 INCH MESH		2-1/8 - 3-7/8 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
LAKE TROUT.	-	-	-	-	6,200	$2,619
PIKE OR PICKEREL.	-	-	-	-	100	10
SALMON, SILVER OR COHO. . .	1,128,700	$33,861	-	-	(1)	2
SMELT	-	-	26,400	$4,851	500	57
SUCKERS	-	-	-	-	13,300	1,241
WHITEFISH:						
COMMON.	-	-	-	-	2,300	1,153
MENOMINEE	-	-	-	-	139,200	31,444
YELLOW PERCH.	-	-	-	-	246,900	4[illegible],652
TOTAL	1,128,700	33,861	26,400	4,851	3,322,300	533,781

SPECIES	LAKE MICHIGAN - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS - CONTINUED		LINES, LONG OR SET WITH HOOKS		TOTAL	
	4 - 7 INCH MESH					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES.	1,700	$21	-	-	7,489,500	$82,934
BULLHEADS	-	-	-	-	1,700	167
BURBOT.	15,300	477	-	-	21,000	571
CARP.	200	6	-	-	1,300	59
CATFISH	-	-	-	-	(1)	4
CHUBS	-	-	-	-	2,895,400	444,844
GIZZARD SHAD.	-	-	-	-	800	17
LAKE HERRING.	2,500	418	-	-	36,400	6,766
LAKE TROUT.	69,800	32,707	-	-	76,000	35,330
PIKE OR PICKEREL.	(1)	1	-	-	1,700	189
ROCK BASS	-	-	-	-	600	114
SALMON, SILVER OR COHO. . .	-	-	-	-	1,128,700	33,863
SMELT	3,000	172	-	-	2,063,400	38,009
STURGEON, COMMON.	(1)	13	2,000	$2,447	2,800	3,242
SUCKERS	11,400	379	-	-	119,700	3,530
WHITEFISH:						
COMMON.	651,600	362,558	-	-	1,181,600	674,172
MENOMINEE	4,100	630	-	-	143,500	32,112
YELLOW PERCH.	100	25	-	-	248,200	46,926
YELLOW PIKE	1,100	782	-	-	3,400	1,815
TOTAL	760,800	398,189	2,000	2,447	15,415,700	1,404,664

SPECIES	LAKE MICHIGAN - CONTINUED					
	INDIANA					
	GILL NETS				TOTAL	
	2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CATFISH	(1)	$6	-	-	(1)	$6
CHUBS	88,000	$16,480	-	-	88,000	16,480
LAKE HERRING.	5,200	1,428	-	-	5,200	1,428
LAKE TROUT.	600	285	2,800	$1,425	3,400	1,710
SALMON, SILVER OR COHO. . .	4,100	1,451	11,100	3,541	15,200	4,992
SUCKERS	-	-	12,500	746	12,500	746
WHITEFISH, COMMON	(1)	6	-	-	(1)	6
YELLOW PERCH.	79,800	16,505	-	-	79,800	16,505
TOTAL	177,700	36,161	26,400	5,712	204,100	41,873

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED					
	ILLINOIS		WISCONSIN			
	GILL NETS, 2-1/8 - 3-7/8 INCH MESH		HAUL SEINES, COMMON		OTTER TRAWLS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	400	$3	-	-	12,487,000	$152,485
BURBOT	-	-	-	-	3,100	91
CARP	(1)	(1)	1,594,800	$47,308	18,100	190
CATFISH	-	-	400	98	-	-
CHUBS	693,200	112,921	-	-	2,700	94
LAKE HERRING	100	15	-	-	(1)	10
LAKE TROUT	(1)	8	-	-	100	34
PIKE OR PICKEREL	-	-	200	19	-	-
SALMON, SILVER OR COHO	(1)	11	-	-	-	-
SMELT	(1)	1	-	-	168,600	7,149
SUCKERS	(1)	(1)	3,300	28	44,200	762
YELLOW PERCH	53,100	8,764	-	-	400	62
TOTAL	746,800	121,723	1,598,700	47,453	12,724,200	160,877

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	9,099,300	$93,903	-	-	24,800	$229
BULLHEADS	-	-	-	-	38,000	2,963
BURBOT	(1)	(1)	-	-	17,800	2,006
CARP	100	28	-	-	17,800	400
CATFISH	(1)	1	-	-	100	11
LAKE HERRING	300	52	-	-	-	-
PIKE OR PICKEREL	300	17	-	-	20,600	3,213
SMELT	189,400	11,809	-	-	-	-
SUCKERS	29,300	308	-	-	288,200	3,318
WHITEFISH, COMMON	119,400	80,129	100	$115	-	-
YELLOW PERCH	7,700	1,150	-	-	160,200	27,779
YELLOW PIKE	200	94	-	-	7,400	3,154
TOTAL	9,446,000	187,491	100	115	574,900	43,073

SPECIES	LAKE MICHIGAN - CONTINUED					
	WISCONSIN - CONTINUED					
	GILL NETS					
	1-1/4 - 2 INCH MESH		2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	138,000	$1,725	8,700	$632	-	-
BULLHEADS	-	-	100	10	-	-
BURBOT	8,800	38	2,400	79	8,100	$146
CARP	2,000	20	(1)	1	2,000	83
CHUBS	-	-	5,481,900	872,613	-	-
LAKE HERRING	(1)	1	4,100	828	10,800	2,452
LAKE TROUT	-	-	200	112	2,400	1,728
PIKE OR PICKEREL	-	-	300	18	9,900	895
SMELT	57,600	8,473	1,900	178	200	19
SUCKERS	6,300	642	8,100	200	277,800	12,480
WHITEFISH:						
COMMON	(1)	2	100	44	86,300	65,031
MENOMINEE	-	-	800	231	(1)	2
YELLOW PERCH	(1)	(1)	172,900	33,356	500	144
YELLOW PIKE	(1)	14	400	165	2,800	1,327
TOTAL	212,700	10,915	5,681,900	908,467	400,800	84,307

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE MICHIGAN - CONTINUED				LAKE SUPERIOR	
	WISCONSIN - CONTINUED				MICHIGAN	
	GILL NETS - CONTINUED 7-1/8 - 14 INCH MESH		TOTAL		HAUL SEINES, COMMON	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	21,757,800	$248,974	-	-
BULLHEADS	-	-	38,100	2,973	-	-
BURBOT	-	-	40,200	2,360	-	-
CARP	482,900	$17,310	2,117,700	65,340	-	-
CATFISH	-	-	500	110	-	-
CHUBS	-	-	5,484,600	872,707	-	-
LAKE HERRING	-	-	15,200	3,343	-	-
LAKE TROUT	-	-	2,700	1,874	-	-
PIKE OR PICKEREL	-	-	31,300	4,162	-	-
SMELT	-	-	417,700	27,628	-	-
SUCKERS	-	-	657,200	17,738	200	$11
WHITEFISH:						
COMMON	-	-	205,900	145,321	-	-
MENOMINEE	-	-	800	233	500	73
YELLOW PERCH	-	-	341,700	62,491	-	-
YELLOW PIKE	-	-	10,800	4,754	-	-
TOTAL	482,900	17,310	31,122,200	1,460,008	700	84

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED					
	POUND NETS		TRAP NETS		FYKE AND HOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	100	$4	(1)	$1	-	-
LAKE HERRING	(1)	2	100	5	-	-
SUCKERS	100	5	2,500	170	1,300	$164
WHITEFISH, COMMON	28,000	18,306	141,700	102,470	-	-
YELLOW PERCH	-	-	300	39	-	-
YELLOW PIKE	(1)	4	(1)	24	100	29
TOTAL	28,200	18,321	144,600	102,709	1,400	193

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED					
	GILL NETS					
	1-1/4 - 2 INCH MESH		2-1/8 - 3 7/8 INCH MESH		4 - 7 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	(1)	(1)	(1)	(1)
BURBOT	(1)	(1)	11,900	$451	5,900	$287
CHUBS	-	-	528,800	48,539	1,400	241
LAKE HERRING	400	$82	1,548,300	215,563	5,200	1,002
LAKE TROUT	-	-	15,700	9,905	159,600	101,026
PIKE OR PICKEREL	(1)	(1)	-	-	-	-
SALMON, SILVER OR COHO	-	-	-	-	(1)	1
SMELT	9,400	2,413	200	22	300	31
SUCKERS	-	-	10,600	369	39,500	2,260
WHITEFISH:						
COMMON	(1)	17	700	534	360,900	229,627
MENOMINEE	300	89	7,700	1,076	300	53
YELLOW PERCH	(1)	1	4,000	676	(1)	(1)
YELLOW PIKE	-	-	-	-	100	56
TOTAL	10,100	2,602	2,127,900	277,135	573,200	334,584

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE SUPERIOR - CONTINUED					
	MICHIGAN - CONTINUED				WISCONSIN	
	GILL NETS - CONTINUED		TOTAL		POUND NETS	
	7-1/8 - 14 INCH MESH					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	(1)	(1)	-	-
BURBOT	-	-	17,800	$738	(1)	(1)
CARP	-	-	100	5	600	$ 17
CHUBS	-	-	530,200	48,780	-	-
LAKE HERRING	-	-	1,554,000	216,654	100	14
LAKE TROUT	3,100	$1,819	178,400	112,750	300	171
PIKE OR PICKEREL	-	-	(1)	(1)	-	-
SALMON, SILVER OR COHO	-	-	(1)	1	-	-
SMELT	(1)	(1)	9,900	2,466	225,600	11,582
SUCKERS	(1)	(1)	54,200	2,979	3,200	45
WHITEFISH:						
COMMON	1,500	850	532,800	351,804	64,300	37,545
MENOMINEE	-	-	8,800	1,291	-	-
YELLOW PERCH	-	-	4,300	716	-	-
YELLOW PIKE	-	-	200	113	-	-
TOTAL	4,600	2,669	2,890,700	738,297	294,100	49,374

SPECIES	LAKE SUPERIOR - CONTINUED					
	WISCONSIN - CONTINUED					
	GILL NETS					
	1-1/4 - 2 INCH MESH		2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	(1)	(1)	-	-	-	-
BURBOT	(1)	(1)	2,800	$94	1,400	$42
CHUBS	-	-	392,400	44,401	(1)	3
LAKE HERRING	100	$21	329,000	28,016	200	19
LAKE TROUT	(1)	1	100	52	19,500	11,929
PIKE OR PICKEREL	-	-	(1)	(1)	-	-
SMELT	71,800	10,345	200	35	600	77
SUCKERS	100	15	600	14	2,900	64
WHITEFISH:						
COMMON	-	-	-	-	20,700	11,476
MENOMINEE	-	-	300	58	(1)	(1)
YELLOW PERCH	(1)	1	(1)	(1)	-	-
YELLOW PIKE	-	-	-	-	100	57
TOTAL	72,000	10,383	725,400	72,670	45,400	23,667

SPECIES	LAKE SUPERIOR - CONTINUED					
	WISCONSIN - CONTINUED				MINNESOTA	
	GILL NETS - CONTINUED		TOTAL		OTTER TRAWLS	
	7-1/8 - 14 INCH MESH					
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
ALEWIVES	-	-	(1)	(1)	-	-
BURBOT	-	-	4,200	$136	-	-
CARP	-	-	600	17	-	-
CHUBS	-	-	392,400	44,404	-	-
LAKE HERRING	-	-	329,400	28,070	-	-
LAKE TROUT	200	$96	20,100	12,249	-	-
PIKE OR PICKEREL	-	-	(1)	(1)	-	-
SMELT	-	-	298,200	22,039	58,800	$1,765
SUCKERS	-	-	6,800	138	-	-
WHITEFISH:						
COMMON	1,600	868	86,600	49,889	-	-
MENOMINEE	-	-	300	58	-	-
YELLOW PERCH	-	-	(1)	1	-	-
YELLOW PIKE	-	-	100	57	-	-
TOTAL	1,800	964	1,138,700	157,058	58,800	1,765

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

LANDINGS BY LAKE, STATE, AND CATCH BY GEAR, 1969 - Continued

SPECIES	LAKE SUPERIOR - CONTINUED					
	MINNESOTA - CONTINUED					
	POUND NETS		GILL NETS			
			2-1/8 - 3-7/8 INCH MESH		4 - 7 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BURBOT.	-	-	-	-	400	$11
CHUBS	-	-	58,800	$7,055	-	-
LAKE HERRING.	-	-	367,600	36,760	-	-
LAKE TROUT.	-	-	-		12,600	8,220
SMELT	700,000	$21,000				
SUCKERS	-	-	-	-	2,600	79
WHITEFISH:						
COMMON.	-	-	-	-	8,500	4,235
MENOMINEE	-	-	500	55	-	-
TOTAL	700,000	21,000	426,900	43,870	24,100	12,545

SPECIES	LAKE SUPERIOR - CONTINUED		NAMAKAN LAKE		RAINY LAKE	
	MINNESOTA - CONTINUED		MINNESOTA		MINNESOTA	
	TOTAL		GILL NETS, 4 - 7 INCH MESH		GILL NETS, 4 - 7 INCH MESH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BURBOT.	400	$11	1,900	$65	3,200	$110
CHUBS	58,800	7,055	-	-	-	-
LAKE HERRING.	367,600	36,760	-	-	-	-
LAKE TROUT.	12,600	8,220	-	-	-	-
PIKE OR PICKEREL.	-	-	-	-	2,000	155
SMELT	758,800	22,765	-	-	-	-
SUCKERS	2,600	79	2,300	45	6,900	140
TULLIBEE.	-	-	2,000	70	3,400	115
WHITEFISH:						
COMMON.	8,500	4,235	9,000	2,280	28,300	7,100
MENOMINEE	500	55	-	-	-	-
YELLOW PIKE	-	-	-	-	1,600	570
TOTAL	1,209,800	79,180	15,200	2,460	45,400	8,190

SPECIES	LAKE OF THE WOODS					
	MINNESOTA					
	POUND NETS		GILL NETS, 4 - 7 INCH MESH		TOTAL	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BULLHEADS	100	$2	200	$2	300	$4
BURBOT.	188,900	6,615	33,900	1,185	222,800	7,800
PIKE OR PICKEREL.	15,500	1,235	51,300	4,105	66,800	5,340
QUILLBACK	100	3	-	-	100	3
SAUGER.	3,900	350	8,500	760	12,400	1,110
SUCKERS	2,600	160	62,300	1,245	64,900	1,405
TULLIBEE.	240,300	8,410	798,700	27,960	1,039,000	36,370
WHITEFISH, COMMON	(1)	15	(1)	4	(1)	19
YELLOW PERCH.	4,300	345	16,900	1,350	21,200	1,695
YELLOW PIKE	15,800	5,500	63,300	22,085	79,100	27,585
TOTAL	471,500	22,635	1,035,100	58,696	1,506,600	81,331

1/ LESS THAN 50 POUNDS OR 50 CENTS.

SECTION 9 - MISSISSIPPI RIVER FISHERIES

The commercial catch of fish and shellfish from the waters of the Mississippi River and its tributaries was 69.4 million pounds worth $8.7 million--a decline of 3.5 million pounds but an increase of $397,000 compared with 1968. The volume decline was caused principally by smaller catches of carp and buffalofish. The harvest of carp (16.8 million pounds) was 4.6 million less than in 1968, and the catch of buffalofish (16.6 million pounds) was 1.8 million pounds less. These declines were partially offset by greater landings of crawfish and mussel shells.

Five items--buffalofish, carp, catfish and bullheads, mussel shells, and crawfish--accounted for 82 percent of the volume and 85 percent of the value. The catch was taken by 11,481 fishermen, using 10,032 motor boats and 168 other boats--a decline of 550 fishermen, 189 motor boats, and 17 other boats compared with 1968.

Wisconsin led in volume of landings with 11.2 million pounds, followed by Louisiana (10.3 million); Tennessee (6.9 million); Illinois (6.5 million); and Minnesota (6.2 million pounds).

The value of processed products was $24.7 million--$7.6 million more than in 1968. The value increased in all States except Kansas, Kentucky, and Nebraska together. Mississippi and Missouri together accounted for 32 percent of the total value; North Dakota, Oklahoma, South Dakota, Tennessee, and Texas together, 23 percent; and Wisconsin, 22 percent.

Beginning with the 1964 report, the Mississippi River section has included some data from river systems not connected with or draining into the Mississippi River or its tributaries. For example, salmon are reported in the section. These were taken from waters draining into the Pacific Ocean. Catches are also reported from river systems draining north into Hudson Bay and south into the Gulf of Mexico.

The following organizations helped collect the data appearing in this section: Alabama Department of Conservation, Division of Game and Fish; Arizona Game and Fish Department; Arkansas Game and Fish Commission, Division of Fisheries; Colorado Game, Fish and Parks Department; Idaho Fish and Game Department; Illionois Department of Conservation, Division of Fisheries; Indiana Department of Conservation, Division of Fish and Game, Section of Fish Management; Iowa State Conservation Commission, Division of Fish and Game; Kansas Forestry, Fish and Game Commission, Fisheries Division; Kentucky Department of Fish and Wildlife Resources; Louisiana Wild Life and Fisheries Commission; Minnesota Department of Conservation, Division of Game and Fish, Section of Fisheries; Mississippi Game and Fish Commission; Missouri Conservation Commission; Montana Department of Fish and Game, Fisheries Management; Nebraska Game, Forestation and Parks Commission, Fishery Division; New Mexico Department of Game and Fish; North Dakota Game and Fish Department, Fisheries Division; Oklahoma Department of Wildlife Conservation, Division of Fisheries; South Dakota Department of Game, Fish and Parks; Tennessee Game and Fish Commission, Fish Management Division; Texas Game and Fish Commission; Inland Fisheries; Utah State Fish and Game Department; Wisconsin Conservation Department, Fish Management Division; Wyoming Game and Fish Commission; and the Tennessee Valley Authority, Fish and Game Branch.

MISSISSIPPI RIVER FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	2,708	431	53	12	2,761	443
ARIZONA	16	4	-	-	16	4
ARKANSAS	5,583	937	228	50	5,811	987
COLORADO	6	(1)	-	-	6	(1)
IDAHO	1,188	57	-	-	1,188	57
ILLINOIS	5,142	605	1,359	86	6,501	691
INDIANA	113	21	400	78	513	99
IOWA	3,090	313	53	3	3,143	316
KANSAS	29	8	151	10	180	18
KENTUCKY	2,500	476	483	35	2,983	511
LOUISIANA	5,358	723	4,983	1,045	10,341	1,768
MINNESOTA	6,183	688	1	(1)	6,184	688
MISSISSIPPI	3,018	551	-	-	3,018	551
MISSOURI	858	141	-	-	858	141
MONTANA	835	119	-	-	835	119
NEBRASKA	355	20	-	-	355	20
NEW MEXICO	31	7	-	-	31	7
NORTH DAKOTA	453	44	-	-	453	44
OHIO	-	-	649	55	649	55
OKLAHOMA	462	75	309	18	771	93
SOUTH DAKOTA	3,107	286	-	-	3,107	286
TENNESSEE	4,101	647	2,785	214	6,886	861
TEXAS	1,206	216	1	(1)	1,207	216
UTAH	256	12	58	25	314	37
WEST VIRGINIA	3	1	-	-	3	1
WISCONSIN	10,451	599	798	44	11,249	643
TOTAL	57,052	6,981	12,311	1,675	69,363	8,656

1/ LESS THAN $500.

SUMMARY OF OPERATING UNITS, 1969

ITEM	ALABAMA	ARIZONA	ARKANSAS	COLORADO	IDAHO	ILLINOIS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	131	2	754	-	7	101
CASUAL	178	3	2,016	5	730	361
TOTAL	309	5	2,770	5	737	462
BOATS:						
MOTOR	309	4	2,450	1	737	418
OTHER	-	-	2	-	7	6
GEAR:						
HAUL SEINES, COMMON	-	-	12	5	7	26
LENGTH, YARDS	-	-	1,900	1,750	467	6,688
FYKE AND HOOP NETS, FISH	-	-	14,196	-	-	4,373
POTS AND TRAPS, WIRE BASKETS	381	-	-	-	-	1,910
GILL NETS, ANCHOR, SET OR STAKE	423	32	891	-	-	36
SQUARE YARDS	112,500	5,690	178,200	-	-	3,333
TRAMMEL NETS	65	4	1,194	-	-	430
SQUARE YARDS	17,300	533	317,500	-	-	79,997
LINES:						
HAND	-	-	-	-	730	-
HOOKS	-	-	-	-	730	-
LONG OR SET WITH HOOKS	2,140	-	2,775	-	-	384
HOOKS	214,000	-	138,750	-	-	38,650
SNAG	750	-	3,373	-	-	-
HOOKS	375,000	-	1,011,900	-	-	-
DIP NETS, COMMON	9	-	9	-	-	-
CROWFOOT BARS	30	-	296	-	-	146
DIVING OUTFITS	-	-	6	-	-	-

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	INDIANA	IOWA	KANSAS	KENTUCKY	LOUISIANA	MINNESOTA	MISSISSIPPI
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	6	104	-	127	370	125	161
CASUAL	329	354	29	540	1,245	452	542
TOTAL	335	458	29	667	1,615	577	703
BOATS:							
MOTOR	71	435	13	642	1,610	258	641
OTHER	-	44	-	-	7	30	8
GEAR:							
HAUL SEINES, COMMON	-	45	1	-	49	50	17
LENGTH, YARDS	-	9,750	85	-	13,500	35,864	5,800
WEIRS	-	10	-	-	-	60	-
POUND NETS, FISH	-	6	-	-	-	-	-
FYKE AND HOOP NETS, FISH	152	3,042	42	1,030	28,105	2,922	3,450
POTS AND TRAPS:							
CRAWFISH	-	-	-	-	61,772	-	-
FISH	-	4,895	-	-	-	103	-
SHRIMP	-	-	-	-	130	-	-
TURTLE	-	-	-	-	65	-	-
GILL NETS, ANCHOR, SET OR STAKE	-	551	-	298	1,191	216	757
SQUARE YARDS	-	38,666	-	58,100	421,447	209,733	291,704
TRAMMEL NETS	10	403	11	352	637	-	95
SQUARE YARDS	2,000	89,600	1,570	70,400	125,719	-	33,800
LINES:							
HAND	-	-	-	-	176	-	-
HOOKS	-	-	-	-	196	-	-
LONG OR SET WITH HOOKS	63	1,758	39	2,500	1,587	66	1,538
HOOKS	3,850	175,800	265	220,000	214,350	15,501	382,300
SNAG	-	-	-	-	-	-	500
HOOKS	-	-	-	-	-	-	623,000
ELECTRICAL DEVICES	-	6	-	-	-	-	-
DIP NETS, COMMON	-	-	-	32	192	-	-
FROG GRABS	-	-	-	-	151	-	-
CROWFOOT BARS	76	14	-	70	-	-	-

ITEM	MISSOURI	MONTANA	NEBRASKA	NEW MEXICO	NORTH DAKOTA	OHIO	OKLAHOMA
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	41	13	5	1	5	-	57
CASUAL	367	1	117	1	-	31	45
TOTAL	408	14	122	2	5	31	102
BOATS:							
MOTOR	389	10	112	1	4	31	92
OTHER	-	2	7	-	-	-	-
GEAR:							
HAUL SEINES, COMMON	7	1	7	-	-	-	-
LENGTH, YARDS	1,617	600	1,133	-	-	-	-
FYKE AND HOOP NETS, FISH	1,193	50	189	-	170	-	-
POTS AND TRAPS, FISH	-	-	113	-	-	-	-
GILL NETS, ANCHOR, SET OR STAKE	-	52	-	12	1	-	299
SQUARE YARDS	-	13,955	-	2,400	1,333	-	119,900
TRAMMEL NETS	240	46	77	-	-	-	56
SQUARE YARDS	45,271	12,267	10,266	-	-	-	14,840
LINES, LONG OR SET WITH HOOKS	236	-	1	-	-	-	-
HOOKS	22,835	-	200	-	-	-	-
CROWFOOT BARS	-	-	-	-	-	62	-

ITEM	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	WEST VIRGINIA	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	15	317	71	4	-	127	2,544
CASUAL	41	603	216	4	2	725	8,937
TOTAL	56	920	287	8	2	852	11,481

(CONTINUED ON NEXT PAGE)

SUMMARY OF OPERATING UNITS, 1969 - Continued

ITEM	SOUTH DAKOTA	TENNESSEE	TEXAS	UTAH	WEST VIRGINIA	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
BOATS:							
MOTOR	29	905	256	3	2	609	10,032
OTHER	6	-	-	1	-	48	168
GEAR:							
HAUL SEINES, COMMON	9	-	-	3	-	59	298
LENGTH, YARDS	7,167	-	-	400	-	30,003	116,724
OTTER TRAWLS, FISH	-	-	-	-	-	1	1
YARDS AT MOUTH	-	-	-	-	-	13	13
WEIRS	1	-	-	-	-	3	74
POUND NETS, FISH	-	-	-	-	-	-	6
TRAP NETS	-	-	-	-	-	96	96
FYKE AND HOOP NETS:							
FISH	460	2,375	273	-	30	1,031	63,083
TURTLE	-	150	-	-	-	-	150
POTS AND TRAPS:							
CRAWFISH	-	-	-	-	-	-	61,772
FISH	-	-	-	-	-	-	5,111
SHRIMP	-	-	-	-	-	-	130
TURTLE	-	-	-	-	-	-	65
WIRE BASKETS	-	-	-	-	-	-	2,291
SLAT TRAPS	-	-	-	-	-	1,318	1,318
GILL NETS, ANCHOR, SET OR STAKE	90	115	563	-	-	93	5,620
SQUARE YARDS	18,000	26,560	122,400	-	-	88,114	1,712,035
TRAMMEL NETS	-	854	75	-	-	6	4,555
SQUARE YARDS	-	215,400	15,000	-	-	967	1,052,430
LINES:							
HAND	-	-	-	-	-	-	906
HOOKS	-	-	-	-	-	-	926
LONG OR SET WITH HOOKS	-	4,105	586	-	-	413	18,191
HOOKS	-	339,375	44,500	-	-	117,118	1,927,494
SNAG	-	693	-	-	-	-	5,316
HOOKS	-	329,500	-	-	-	-	2,339,400
ELECTRICAL DEVICES	-	-	-	-	-	1	7
DIP NETS, COMMON	-	22	-	-	-	-	264
BRAIL OR SCOOP NETS	-	-	-	3	-	-	3
FROG GRABS	-	-	-	-	-	-	151
CROWFOOT BARS	-	92	-	-	-	80	866
DIVING OUTFITS	-	48	-	-	-	14	68

MISSISSIPPI RIVER FISHERIES

LANDINGS BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALABAMA		ARIZONA		ARKANSAS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	-	-	26	2
BUFFALOFISH	1,176	109	15	4	2,803	420
CARP.	235	9	1	(1)	944	66
CATFISH AND BULLHEADS	958	297	-	-	1,109	388
GARFISH	9	(1)	-	-	310	16
GIZZARD SHAD.	130	5	-	-	-	-
PADDLEFISH.	74	6	-	-	26	1
QUILLBACK	7	(1)	-	-	51	3
SHEEPSHEAD.	113	5	-	-	235	35
STURGEON, SHOVELNOSE.	-	-	-	-	16	3
SUCKERS	6	(1)	-	-	63	3
TOTAL FISH	2,708	431	16	4	5,583	937
SHELLFISH, ETC.						
MUSSEL SHELLS	53	12	-	-	137	21
TURTLES:						
BABY.	-	-	-	-	3	23
SLIDER.	-	-	-	-	46	2
SNAPPER	-	-	-	-	42	4
TOTAL SHELLFISH, ETC.. .	53	12	-	-	228	50
GRAND TOTAL.	2,761	443	16	4	5,811	987

SPECIES	COLORADO		IDAHO		ILLINOIS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	-	-	4	(1)
BUFFALOFISH	-	-	-	-	1,935	226
CARP.	6	(1)	430	9	1,886	102
CATFISH AND BULLHEADS	-	-	-	-	748	229
CHUBS	-	-	37	1	-	-
EEL, COMMON	-	-	-	-	1	(1)
GARFISH	-	-	-	-	33	1
MOONEYE OR GOLDEYE.	-	-	-	-	2	(1)
PADDLEFISH.	-	-	-	-	69	6
SALMON, RED OR SOCKEYE. . . .	-	-	62	34	-	-
SHEEPSHEAD.	-	-	-	-	454	38
STURGEON, SHOVELNOSE.	-	-	-	-	9	3
SUCKERS	-	-	659	13	1	(1)
YELLOW PERCH.	-	-	-	-	(1)	(1)
TOTAL FISH	6	(1)	1,188	57	5,142	605
SHELLFISH, ETC.						
MUSSEL SHELLS	-	-	-	-	1,340	81
TURTLES, SNAPPER.	-	-	-	-	19	5
TOTAL SHELLFISH, ETC.. .	-	-	-	-	1,359	86
GRAND TOTAL.	6	(1)	1,188	57	6,501	691

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	INDIANA		IOWA		KANSAS	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	2	(1)	-	-
BUFFALOFISH	54	9	904	99	3	1
CARP.	7	1	1,183	44	21	5
CATFISH AND BULLHEADS . . .	19	7	433	130	5	2
EEL, COMMON	-	-	(1)	(1)	-	-
GARFISH	-	-	11	(1)	-	-
PADDLEFISH.	2	(1)	21	2	-	-
QUILLBACK	4	(1)	-	-	(1)	(1)
SHEEPSHEAD.	3	(1)	444	30	-	-
STURGEON, SHOVELNOSE. . . .	13	3	23	6	-	-
SUCKERS	11	1	68	2	-	-
UNCLASSIFIED, FOR FOOD. . .	-	-	1	(1)	-	-
TOTAL FISH.	113	21	3,090	313	29	8
SHELLFISH, ETC.						
MUSSEL SHELLS	400	78	52	3	151	10
TURTLES, SNAPPER.	-	-	1	(1)	-	-
TOTAL SHELLFISH, ETC.	400	78	53	3	151	10
GRAND TOTAL	513	99	3,143	316	180	18

SPECIES	KENTUCKY		LOUISIANA		MINNESOTA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	54	3	26	1
BUFFALOFISH	450	63	1,917	252	429	51
BURBOT.	-	-	-	-	24	1
CARP.	193	10	185	6	2,036	61
CATFISH AND BULLHEADS . . .	1,194	374	1,128	318	2,215	185
EEL, COMMON	(1)	(1)	-	-	-	-
GARFISH	-	-	513	39	2	(1)
GIZZARD SHAD.	572	20	-	-	-	-
MINNOWS	-	-	-	-	1	(1)
MOONEYE OR GOLDEYE.	-	-	-	-	7	2
PADDLEFISH.	40	6	14	1	-	-
PIKE OR PICKEREL.	-	-	-	-	22	3
QUILLBACK	2	(1)	-	-	(1)	(1)
SHAD.	-	-	745	26	-	-
SHEEPSHEAD.	42	2	802	78	195	8
STURGEON, SHOVELNOSE. . . .	3	1	-	-	-	-
SUCKERS	4	(1)	-	-	48	1
TULLIBEE.	-	-	-	-	1	(1)
WHITEFISH, COMMON	-	-	-	-	24	9
YELLOW PERCH.	-	-	-	-	496	136
YELLOW PIKE	-	-	-	-	657	230
TOTAL FISH.	2,500	476	5,358	723	6,183	688
SHELLFISH, ETC.						
CRAWFISH.	-	-	4,865	965	-	-
SHRIMP.	-	-	2	1	-	-
MUSSEL SHELLS	483	35	-	-	-	-
TURTLES:						
BABY.	-	-	1	13	-	-
SNAPPER	-	-	40	13	-	-
UNCLASSIFIED.	-	-	-	-	1	(1)
FROGS	-	-	75	53	-	-
TOTAL SHELLFISH, ETC.	483	35	4,983	1,045	1	(1)
GRAND TOTAL	2,983	511	10,341	1,768	6,184	688

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MISSISSIPPI		MISSOURI		MONTANA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	7	(1)	1	(1)	-	-
BUFFALOFISH	1,722	263	304	61	283	57
CARP	375	21	294	24	271	6
CATFISH AND BULLHEADS	775	256	119	38	37	11
EEL, COMMON	-	-	(1)	(1)	-	-
GARFISH	38	3	19	2	-	-
MOONEYE OR GOLDEYE	-	-	-	-	173	44
PADDLEFISH	29	3	12	2	-	-
QUILLBACK	4	(1)	26	2	56	1
SHEEPSHEAD	64	5	71	10	11	(1)
STURGEON, SHOVELNOSE	(1)	(1)	6	1	-	-
SUCKERS	4	(1)	6	1	4	(1)
TOTAL FISH	3,018	551	858	141	835	119
GRAND TOTAL	3,018	551	858	141	835	119

SPECIES	NEBRASKA		NEW MEXICO		NORTH DAKOTA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUFFALOFISH	30	4	30	7	94	7
CARP	151	5	1	(1)	57	2
CATFISH AND BULLHEADS	24	7	-	-	200	8
GIZZARD SHAD	123	3	-	-	-	-
GOLDFISH	3	(1)	-	-	-	-
MOONEYE OR GOLDEYE	-	-	-	-	82	25
PADDLEFISH	-	-	-	-	10	1
QUILLBACK	24	1	(1)	(1)	-	-
YELLOW PERCH	-	-	-	-	10	1
TOTAL FISH	355	20	31	7	453	44
GRAND TOTAL	355	20	31	7	453	44

SPECIES	OHIO		OKLAHOMA		SOUTH DAKOTA	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BUFFALOFISH	-	-	214	32	1,116	112
CARP	-	-	100	5	1,102	33
CATFISH AND BULLHEADS	-	-	91	32	612	58
GARFISH	-	-	3	(1)	-	-
MOONEYE OR GOLDEYE	-	-	-	-	231	82
PADDLEFISH	-	-	5	1	-	-
QUILLBACK	-	-	33	3	-	-
SHEEPSHEAD	-	-	11	1	6	(1)
SUCKERS	-	-	-	-	40	1
WHITE BASS	-	-	5	1	-	-
TOTAL FISH	-	-	462	75	3,107	286
SHELLFISH, ETC.						
MUSSEL SHELLS	649	55	309	18	-	-
TOTAL SHELLFISH, ETC.	649	55	309	18	-	-
GRAND TOTAL	649	55	771	93	3,107	286

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

LANDINGS BY STATES, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	TENNESSEE		TEXAS		UTAH	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	47	2	1	(1)	-	-
BUFFALOFISH	1,456	157	788	112	-	-
CARP.	699	31	73	4	234	6
CATFISH AND BULLHEADS . . .	1,318	411	232	93	-	-
CRAPPIE	54	16	-	-	-	-
GARFISH	-	-	55	4	-	-
MINNOWS	-	-	-	-	22	6
PADDLEFISH.	98	10	-	-	-	-
QUILLBACK	61	4	5	(1)	-	-
SHEEPSHEAD.	317	14	25	2	-	-
STURGEON, SHOVELNOSE. . . .	1	(1)	-	-	-	-
SUCKERS	7	(1)	27	1	-	-
YELLOW BASS	23	2	-	-	-	-
TOTAL FISH.	4,101	647	1,206	216	256	12
SHELLFISH, ETC.						
ARTEMIA (BRINE SHRIMP) EGGS	-	-	-	-	58	25
MUSSEL SHELLS	2,741	209	-	-	-	-
TURTLES:						
BABY.	(1)	3	-	-	-	-
SLIDER.	40	1	-	-	-	-
SNAPPER	4	1	1	(1)	-	-
TOTAL SHELLFISH, ETC.	2,785	214	1	(1)	58	25
GRAND TOTAL	6,886	861	1,207	216	314	37

SPECIES	WEST VIRGINIA		WISCONSIN		TOTAL	
FISH	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	-	-	8	(1)	176	8
BUFFALOFISH	(1)	(1)	899	126	16,622	2,172
BURBOT.	-	-	28	4	52	5
CARP.	(1)	(1)	6,297	215	16,781	665
CATFISH AND BULLHEADS . . .	3	1	497	126	11,717	2,971
CHUBS	-	-	-	-	37	1
CRAPPIE	-	-	-	-	54	16
EEL, COMMON	-	-	(1)	(1)	1	(1)
GARFISH	-	-	7	(1)	1,000	65
GIZZARD SHAD.	-	-	-	-	825	28
GOLDFISH.	-	-	-	-	3	(1)
MINNOWS	-	-	-	-	23	6
MOONEYE OR GOLDEYE.	-	-	(1)	(1)	495	153
PADDLEFISH.	-	-	-	-	400	39
PIKE OR PICKEREL.	-	-	-	-	22	3
QUILLBACK	-	-	23	1	316	15
SALMON, RED OR SOCKEYE. . .	-	-	-	-	62	34
SHAD.	-	-	-	-	745	26
SHEEPSHEAD.	-	-	1,604	68	4,397	296
STURGEON, SHOVELNOSE. . . .	-	-	1	(1)	72	17
SUCKERS	-	-	1,087	59	2,035	82
TULLIBEE.	-	-	-	-	1	(1)
WHITE BASS.	-	-	-	-	5	1
WHITEFISH, COMMON	-	-	-	-	24	9
YELLOW BASS	-	-	-	-	23	2
YELLOW PERCH.	-	-	-	-	506	137
YELLOW PIKE	-	-	-	-	657	230
UNCLASSIFIED, FOR FOOD. . .	-	-	(1)	(1)	1	(1)
TOTAL FISH.	3	1	10,451	599	57,052	6,981
SHELLFISH, ETC.						
ARTEMIA (BRINE SHRIMP) EGGS	-	-	-	-	58	25
CRAWFISH.	-	-	-	-	4,865	965
SHRIMP.	-	-	-	-	2	1
MUSSEL SHELLS	-	-	791	43	7,106	565
TURTLES:						
BABY.	-	-	-	-	4	39
SLIDER.	-	-	-	-	86	3
SNAPPER	-	-	7	1	114	24
UNCLASSIFIED.	-	-	(1)	(1)	1	(1)
FROGS	-	-	-	-	75	53
TOTAL SHELLFISH, ETC.	-	-	798	44	12,311	1,675
GRAND TOTAL	3	1	11,249	643	69,363	8,656

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF LANDINGS FROM MAJOR WATERS OF CERTAIN INLAND DRAINAGE AREAS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA					
	MISSISSIPPI RIVER PROPER		ATCHAFALAYA RIVER DRAINAGE AREA		RED RIVER DRAINAGE AREA	
					OUACHITA RIVER DRAINAGE AREA	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	20	1	17	1	5	(1)
BUFFALOFISH	2,882	367	714	94	255	34
CARP.	5,096	190	33	1	20	1
CATFISH AND BULLHEADS . . .	1,614	476	626	176	102	28
EEL, COMMON	1	(1)	-	-	-	-
GARFISH	130	8	233	18	75	6
MOONEYE	3	(1)	-	-	-	-
PADDLEFISH.	88	8	3	(1)	2	(1)
QUILLBACK	39	2	-	-	-	-
SHAD.	-	-	513	18	-	-
SHEEPSHEAD.	1,467	109	429	41	75	7
STURGEON, SHOVELNOSE. . . .	37	10	-	-	-	-
SUCKERS	108	3	-	-	-	-
YELLOW PERCH.	(1)	(1)	-	-	-	-
UNCLASSIFIED, FOR FOOD. . .	1	(1)	-	-	-	-
CRAWFISH.	12	2	4,788	950	-	-
SHRIMP.	2	1	-	-	-	-
MUSSEL SHELLS	1,388	76	-	-	-	-
TURTLES:						
BABY.	-	-	-	-	1	8
SNAPPER	11	2	20	-	6	3
FROGS	1	(1)	72	51	1	1
TOTAL	12,900	1,255	7,448	1,357	544	88

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED					
	RED RIVER DRAINAGE AREA - CONTINUED		ARKANSAS RIVER DRAINAGE AREA		MISSOURI RIVER DRAINAGE AREA	
	UNCLASSIFIED					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	37	2	10	1	(1)	(1)
BUFFALOFISH	1,540	218	1,938	291	1,622	196
CARP.	336	20	625	43	1,198	43
CATFISH AND BULLHEADS . . .	688	234	836	292	675	86
EEL, COMMON	-	-	-	-	(1)	(1)
GARFISH	252	16	124	6	3	(1)
GIZZARD SHAD.	-	-	-	-	123	3
GOLDFISH.	-	-	-	-	3	(1)
MOONEYE	-	-	-	-	486	150
PADDLEFISH.	11	1	21	1	16	2
QUILLBACK	40	3	39	2	90	3
SHAD.	139	5	-	-	-	-
SHEEPSHEAD.	278	30	171	25	42	2
STURGEON, SHOVELNOSE. . . .	6	1	9	2	(1)	(1)
SUCKERS	44	2	43	2	46	2
WHITE BASS.	-	-	5	1	-	-
CRAWFISH.	55	11	-	-	-	-
MUSSEL SHELLS	-	-	597	49	-	-
TURTLES:						
BABY.	(1)	4	-	-	-	-
SLIDER.	-	-	20	1	-	-
SNAPPER	14	3	18	2	-	-
FROGS	(1)	(1)	-	-	-	-
TOTAL.	3,440	550	4,456	718	4,304	487

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED					
	OHIO RIVER DRAINAGE AREA					
	OHIO RIVER PROPER		TENNESSEE RIVER DRAINAGE AREA		CUMBERLAND RIVER DRAINAGE AREA	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN.	(1)	(1)	-	-	-	-
BUFFALOFISH	198	27	2,167	213	170	24
CARP.	80	5	717	28	71	4
CATFISH AND BULLHEADS . . .	194	60	2,933	916	158	52
EEL, COMMON	(1)	(1)	-	-	-	-
GARFISH	-	-	9	(1)	-	-
GIZZARD SHAD.	-	-	187	7	515	18
PADDLEFISH.	17	3	164	15	23	4
QUILLBACK	1	(1)	75	4	3	(1)
SHEEPSHEAD.	33	2	223	11	18	2
STURGEON, SHOVELNOSE. . . .	3	(1)	-	-	-	-
SUCKERS	2	(1)	12	1	2	(1)
MUSSEL SHELLS	447	33	2,749	216	46	5
TOTAL.	975	130	9,236	1,411	1,006	109

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

SUMMARY OF LANDINGS FROM MAJOR WATERS OF CERTAIN INLAND DRAINAGE AREAS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED					
	OHIO RIVER DRAINAGE AREA - CONTINUED				ILLINOIS RIVER DRAINAGE AREA	
	WABASH RIVER DRAINAGE AREA		UNCLASSIFIED			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	-	-	-	-	3	(1)
BUFFALOFISH	60	9	146	22	833	96
CARP	51	5	57	3	875	43
CATFISH AND BULLHEADS	26	9	48	15	148	40
EEL, COMMON	(1)	(1)	-	-	-	-
GARFISH	-	-	-	-	1	(1)
PADDLEFISH	3	(1)	2	(1)	7	1
QUILLBACK	4	(1)	(1)	(1)	-	-
SHEEPSHEAD	5	1	9	(1)	44	4
STURGEON, SHOVELNOSE	14	3	(1)	(1)	-	-
SUCKERS	12	1	1	(1)	(1)	(1)
MUSSEL SHELLS	465	82	685	57	663	43
TURTLES:						
SNAPPER	(1)	(1)	-	-	10	2
UNCLASSIFIED	-	-	-	-	(1)	(1)
TOTAL	640	110	948	97	2,584	229

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED				NORTHERN DRAINAGE AREA	
					RED RIVER OF THE NORTH DRAINAGE AREA	
	ST. CROIX RIVER DRAINAGE AREA		UNCLASSIFIED		RED LAKE	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	(1)	(1)	70	3	-	-
BUFFALOFISH	8	2	3,547	501	-	-
BURBOT	-	-	19	1	-	-
CARP	258	10	4,936	191	-	-
CATFISH AND BULLHEADS	10	1	2,419	493	(1)	(1)
CRAPPIE	-	-	54	16	-	-
GARFISH	(1)	(1)	139	9	-	-
MINNOWS	-	-	1	(1)	-	-
MOONEYE	-	-	(1)	(1)	6	2
PADDLEFISH	-	-	43	4	-	-
PIKE OR PICKEREL	-	-	-	-	22	3
QUILLBACK	-	-	22	1	-	-
SHAD	-	-	93	3	-	-
SHEEPSHEAD	14	1	341	20	141	5
STURGEON, SHOVELNOSE	-	-	3	1	-	-
SUCKERS	(1)	(1)	39	1	8	(1)
TULLIBEE	-	-	1	(1)	-	-
WHITEFISH, COMMON	-	-	-	-	24	9
YELLOW BASS	-	-	23	2	-	-
YELLOW PERCH	(1)	(1)	30	1	448	135
YELLOW PIKE	-	-	-	-	657	230
UNCLASSIFIED, FOR FOOD	-	-	(1)	(1)	-	-
CRAWFISH	-	-	10	2	-	-
MUSSEL SHELLS	-	-	66	4	-	-
TURTLES:						
BABY	-	-	3	27	-	-
SLIDER	-	-	66	2	-	-
SNAPPER	-	-	31	5	-	-
UNCLASSIFIED	-	-	1	(1)	-	-
FROGS	-	-	1	1	-	-
TOTAL	290	14	11,958	1,288	1,306	384

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

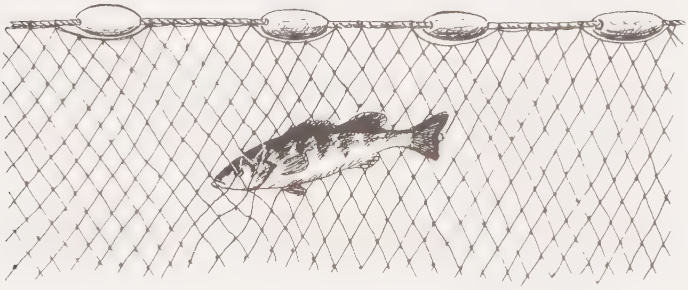
MISSISSIPPI RIVER FISHERIES

SUMMARY OF LANDINGS FROM MAJOR WATERS OF CERTAIN INLAND DRAINAGE AREAS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	NORTHERN DRAINAGE AREA - CONTINUED				GULF OF MEXICO DRAINAGE AREA		PACIFIC OCEAN DRAINAGE AREA	
	RED RIVER OF THE NORTH DRAINAGE AREA - CONTINUED		UNCLASSIFIED					
	UNCLASSIFIED							
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BOWFIN	14	(1)	(1)	(1)	-	-	-	-
BUFFALOFISH	18	2	-	-	509	74	15	4
BURBOT	5	(1)	28	4	-	-	-	-
CARP	725	22	994	39	44	2	665	15
CATFISH AND BULLHEADS	1,071	82	169	11	-	-	-	-
CHUBS	-	-	-	-	-	-	37	1
GARFISH	(1)	(1)	(1)	(1)	34	2	-	-
MINNOWS	-	-	-	-	-	-	22	5
QUILLBACK	-	-	-	-	3	(1)	-	-
SALMON, RED OR SOCKEYE	-	-	-	-	-	-	62	34
SHEEPSHEAD	16	1	1,089	35	2	(1)	-	-
SUCKERS	8	(1)	1,051	57	(1)	(1)	659	13
YELLOW PERCH	25	1	3	(1)	-	-	-	-
ARTEMIA (BRINE SHRIMP) EGGS	-	-	-	-	-	-	58	25
TURTLES:								
SNAPPER	-	-	-	-	2	(1)	-	-
UNCLASSIFIED	(1)	(1)	-	-	-	-	-	-
TOTAL	1,882	106	3,334	146	594	78	1,518	97

1/ LESS THAN 500 POUNDS OR $500.



GILL NET

MISSISSIPPI RIVER FISHERIES

PROCESSED FISHERY PRODUCTS, 1969

ITEM	STATE		QUANTITY	VALUE
BUFFALOFISH:				
FILLETS, FRESH.	ILLINOIS, IOWA, MISSOURI	POUNDS	47,290	$19,321
SMOKED.	IOWA	DO	(1)	(1)
CARP:				
FILLETS, FRESH AND FROZEN . . .	ILLINOIS, IOWA, MISSOURI, WISCONSIN	DO	1,651,270	469,954
SMOKED (INCLUDING SAUSAGE). . .	ILLINOIS, IOWA, SOUTH DAKOTA, NORTH DAKOTA, WISCONSIN,	DO	428,235	150,358
MEAL AND SCRAP.	IOWA	TONS	(1)	(1)
OIL	IOWA	1,000 POUNDS	(1)	(1)
CATFISH:				
DRESSED, SKIN OFF, FROZEN . . .	ARKANSAS, ILLINOIS, IOWA, MISSISSIPPI, WISCONSIN	POUNDS	2,124,035	1,804,333
FILLETS:				
FRESH AND FROZEN.	ILLINOIS, IOWA, WISCONSIN	DO	128,095	96,366
BREADED RAW, FROZEN	ILLINOIS	DO	(1)	(1)
STEAKS, FRESH AND FROZEN. . . .	IOWA, WISCONSIN	DO	(2)	(2)
SMOKED.	ILLINOIS, IOWA, SOUTH DAKOTA	DO	12,100	11,934
CHUBS, SMOKED	IOWA	DO	(1)	(1)
COD:				
STEAKS, BREADED RAW	TENNESSEE	DO	(1)	(1)
SMOKED.	NORTH DAKOTA	DO	(1)	(1)
LUTEFISK.	MINNESOTA	DO	(1)	(1)
EELS, SMOKED.	IOWA	DO	(1)	(1)
FLOUNDER, FROZEN:				
FILLETS, BREADED RAW.	TENNESSEE, WISCONSIN	DO	(1)	(1)
SPECIALTIES (STUFFED, BREADED RAW)	TENNESSEE, TEXAS	DO	(1)	(1)
HALIBUT, SMOKED	NORTH DAKOTA	DO	(1)	(1)
HERRING:				
LAKE:				
SALTED.	MINNESOTA	DO	(1)	(1)
SMOKED.	MINNESOTA, SOUTH DAKOTA	DO	(1)	(1)
SEA:				
BREADED RAW, FROZEN	KENTUCKY	DO	(1)	(1)
SPECIALTIES, CURED AND REFRIGERATED (IN WINE AND CREAM SAUCES).	MINNESOTA, MISSOURI	DO	(1)	(1)
SALTED.	MINNESOTA	DO	(1)	(1)
LAKE TROUT, SMOKED.	MINNESOTA	DO	(1)	(1)
MOONEYE, SMOKED	MINNESOTA	DO	(1)	(1)
OCEAN PERCH FILLETS, BREADED RAW.	WISCONSIN	DO	(1)	(1)
PADDLEFISH, SMOKED.	ILLINOIS	DO	(1)	(1)
PIKE OR PICKEREL FILLETS, FRESH AND FROZEN	MINNESOTA	DO	(1)	(1)
SALMON, SMOKED.	IOWA, MINNESOTA, NORTH DAKOTA, SOUTH DAKOTA	DO	8,000	7,850
SHEEPSHEAD:				
FILLETS, FRESH.	IOWA	DO	(1)	(1)
SMOKED.	IOWA	DO	(1)	(1)
STURGEON, SMOKED.	ILLINOIS, IOWA	DO	14,620	14,085
WHITEFISH, SMOKED	MINNESOTA, NORTH DAKOTA, SOUTH DAKOTA	DO	35,000	22,635
WHITING:				
FROZEN:				
SKINS OFF	ILLINOIS, MISSOURI	DO	1,390,000	920,100
BREADED RAW	ILLINOIS, MISSOURI	DO	(1)	(1)
SMOKED.	IOWA, NEBRASKA, SOUTH DAKOTA	DO	92,500	50,380
YELLOW PERCH, FILLETS:				
FRESH	MINNESOTA	DO	(1)	(1)
BREADED RAW	WISCONSIN	DO	(1)	(1)
YELLOW PIKE FILLETS:				
FRESH AND FROZEN.	MINNESOTA	DO	(1)	(1)
BREADED RAW	WISCONSIN	DO	(1)	(1)
CRAB SPECIALTIES (DEVILED, BREADED RAW)	KENTUCKY	POUNDS	(1)	(1)
CRAWFISH, MEAT, COOKED, FRESH . .	LOUISIANA	DO	184,100	[illegible]
SHRIMP, FROZEN:				
COOKED AND PEELED (INCLUDING DEVEINED).	TENNESSEE	DO	(1)	(1)
BREADED RAW	KENTUCKY, OKLAHOMA, TENNESSEE, TEXAS WISCONSIN	DO	5,222,992	5,392,580
SPECIALTIES (PORTIONS, STUFFED AND STEAKS).	MINNESOTA, TENNESSEE, TEXAS	DO	[illegible]	192,083
CLAMS, HARD, BREADED RAW.	KENTUCKY	DO	(1)	(1)
MUSSEL SHELL, DUST AND CHIPS. . .	IOWA	TONS	(1)	(1)
OYSTERS:				
SHUCKED, FRESH.	LOUISIANA	GALLONS	(1)	(1)
BREADED RAW, FROZEN	KENTUCKY, TENNESSEE	POUNDS	(1)	(1)
SCALLOPS, SEA, BREADED RAW, FROZEN	KENTUCKY, TENNESSEE, WISCONSIN	DO	[illegible]	[illegible]
TURTLE MEAT, RAW, FRESH AND FROZEN	WISCONSIN	DO	(1)	(1)
FROG LEGS, FRESH AND FROZEN . . .	WISCONSIN	DO	(1)	(1)

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

MISSISSIPPI RIVER FISHERIES

PROCESSED FISHERY PRODUCTS, 1969 - Continued

ITEM	STATE		QUANTITY	VALUE
UNCLASSIFIED:				
FRESH AND FROZEN PACKAGED FISH:				
STICKS.	MISSOURI, TENNESSEE, WISCONSIN	POUNDS	4,831,612	$1,828,068
PORTIONS.	KENTUCKY, MISSOURI, TEXAS, WISCONSIN	DO	18,237,984	5,742,737
FISH AND SHELLFISH.	ILLINOIS, KENTUCKY, LOUISIANA, MINNESOTA, MISSOURI, TENNESSEE, TEXAS, WISCONSIN	DO	2,904 528	2,082,406
CANNED (ANIMAL FOOD).	KANSAS, NEBRASKA, WISCONSIN	STANDARD CASES	431,334	3,259,665
CURED	ILLINOIS, IOWA, MINNESOTA, MISSOURI, NORTH DAKOTA, SOUTH DAKOTA	POUNDS	3,274,300	1,964,542
INDUSTRIAL.	IOWA	-	-	(1)
TOTAL		-		24,746,194

1/ INCLUDED WITH UNCLASSIFIED FISH AND SHELLFISH.

NOTE:--SOME OF THE PRODUCTS MAY HAVE BEEN PROCESSED FROM RAW PRODUCTS IMPORTED FROM ANOTHER STATE OR FOREIGN COUNTRY; THEREFORE, THEY CANNOT BE CORRELATED DIRECTLY WITH THE CATCH WITHIN THE STATE. CERTAIN ITEMS ARE SHOWN IN AN INTERMEDIATE AND ALSO A MORE ADVANCED STAGE OF PROCESSING.

SUMMARY OF PROCESSED PRODUCTS, 1969

(THOUSANDS OF DOLLARS)

ITEM	VALUE
PACKAGED:	
FRESH	669
FROZEN.	18,524
CANNED AND INDUSTRIAL	3,331
CURED	2,222
TOTAL.	24,746

VALUE OF PROCESSED PRODUCTS, BY STATES, 1969

(THOUSANDS OF DOLLARS)

STATE	VALUE
ARKANSAS.	1,376
ILLINOIS.	585
IOWA.	368
KANSAS, KENTUCKY, NEBRASKA.	822
LOUISIANA	461
MINNESOTA	2,016
MISSISSIPPI, MISSOURI	7,819
NORTH DAKOTA, OKLAHOMA, SOUTH DAKOTA, TENNESSEE, TEXAS.	5,760
WISCONSIN	5,539
TOTAL.	24,746

WHOLESALING AND PROCESSING, 1969

ITEM	ALABAMA	ARKANSAS	ILLINOIS	INDIANA	IOWA	KANSAS	KENTUCKY
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:							
ESTABLISHMENTS.	13	28	40	12	21	7	15
PERSONS ENGAGED:							
AVERAGE FOR SEASON. . . .	55	117	119	65	107	156	119
AVERAGE FOR YEAR.	53	112	112	58	96	119	116

ITEM	LOUISIANA	MINNESOTA	MISSISSIPPI	MISSOURI	NEBRASKA	NORTH DAKOTA	OHIO
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:							
ESTABLISHMENTS.	42	17	13	35	8	5	6
PERSONS ENGAGED:							
AVERAGE FOR SEASON. . . .	303	140	43	479	38	25	6
AVERAGE FOR YEAR.	178	100	30	416	37	13	6

	OKLAHOMA	SOUTH DAKOTA	TENNESSEE	TEXAS	WISCONSIN	TOTAL
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
WHOLESALING AND PROCESSING:						
ESTABLISHMENTS.	11	5	33	25	25	361
PERSONS ENGAGED:						
AVERAGE FOR SEASON. . . .	42	21	114	512	346	2,807
AVERAGE FOR YEAR.	42	13	109	485	324	2,419

MISSISSIPPI RIVER FISHERIES

ALABAMA

OPERATING UNITS BY GEAR, 1969

ITEM	POTS AND TRAPS, WIRE BASKETS	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES: LONG OR SET WITH HOOKS	LINES: SNAG	DIP NETS, COMMON	CROWFOOT BARS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:								
REGULAR	25	49	18	110	69	3	-	131
CASUAL	27	43	14	140	80	6	15	178
TOTAL	52	92	32	250	149	9	15	309
BOATS, MOTOR	52	92	32	250	149	9	15	309
GEAR:								
NUMBER	381	423	65	2,140	750	9	30	-
SQUARE YARDS	-	112,500	17,300	-	-	-	-	-
HOOKS	-	-	-	214,000	375,000	-	-	-

ALABAMA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	POTS AND TRAPS, WIRE BASKETS		GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	967,900	$89,531	189,500	$17,529
CARP	-	-	162,500	6,338	60,000	2,340
CATFISH AND BULLHEADS	54,000	$16,740	77,400	23,994	10,900	3,379
GARFISH	-	-	8,000	240	1,000	30
PADDLEFISH	-	-	35,000	2,800	11,200	896
QUILLBACK	-	-	6,900	276	-	-
SHEEPSHEAD	-	-	81,500	3,260	16,000	640
SUCKERS	-	-	4,900	245	1,200	60
TOTAL	54,000	16,740	1,344,100	126,684	289,800	24,874

SPECIES	LINES: LONG OR SET WITH HOOKS		LINES: SNAG	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	11,500	$1,064	7,300	$675
CARP	6,100	238	6,000	234
CATFISH AND BULLHEADS	695,400	215,574	120,500	37,355
PADDLEFISH	500	40	27,500	2,200
SHEEPSHEAD	10,000	400	5,000	200
TOTAL	723,500	217,316	166,300	40,664

SPECIES	DIP NETS, COMMON		CROWFOOT BARS	
	POUNDS	VALUE	POUNDS	VALUE
GIZZARD SHAD	130,000	$5,200	-	-
MUSSEL SHELLS	-	-	53,200	$11,970
TOTAL	130,000	5,200	53,200	11,970

NOTE:--THE COMMERCIAL FISHERIES OF ALABAMA WERE CONFINED TO THE TENNESSEE RIVER DRAINAGE AREA.

ARIZONA

OPERATING UNITS BY GEAR, 1969

ITEM	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:			
REGULAR	2	2	2
CASUAL.	3	3	3
TOTAL	5	5	5
BOATS, MOTOR.	4	4	4
GEAR:			
NUMBER.	32	4	-
SQUARE YARDS.	5,690	533	-

ARIZONA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	14,000	$3,348	1,200	$270
CARP.	1,200	248	100	2
TOTAL	15,200	3,596	1,300	272

NOTE:--THE COMMERCIAL FISHERIES OF ARIZONA WERE CONFINED TO THE PACIFIC OCEAN DRAINAGE AREA.

ARKANSAS

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES	
					LONG OR SET WITH HOOKS	SNAG
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	12	622	100	150	95	192
CASUAL.	14	1,508	255	562	525	549
TOTAL	26	2,130	355	712	620	741
BOATS:						
MOTOR	20	1,819	354	708	620	741
OTHER	2	-	-	-	-	-
GEAR:						
NUMBER.	12	14,196	891	1,194	2,775	3,373
LENGTH, YARDS	1,900	-	-	-	-	-
SQUARE YARDS.	-	-	178,200	317,500	-	-
HOOKS	-	-	-	-	138,750	1,011,900

ITEM	DIP NETS, COMMON	CROWFOOT BARS	DIVING OUTFITS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	3	-	-	754
CASUAL.	6	188	13	2,016
TOTAL	9	188	13	2,770
BOATS:				
MOTOR	9	188	13	2,450
OTHER	-	-	-	2
GEAR, NUMBER.	9	296	6	-

ARKANSAS - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN.	1,600	$96	12,300	$738	3,600	$216
BUFFALOFISH	190,400	28,560	1,644,400	246,660	290,900	43,635
CARP.	48,200	3,374	449,100	31,437	189,400	13,258
CATFISH AND BULLHEADS . . .	42,000	14,700	513,500	179,725	137,900	48,265
GARFISH	41,000	2,050	96,600	4,830	47,400	2,370
PADDLEFISH.	1,000	50	7,300	365	7,100	355
QUILLBACK	4,100	205	46,300	2,315	-	-
SHEEPSHEAD.	12,000	1,800	155,100	23,265	14,600	2,190
STURGEON, SHOVELNOSE. . . .	400	80	11,500	2,300	1,000	200
SUCKERS	-	-	49,400	2,470	1,000	50
TURTLES:						
SLIDER.	2,600	130	35,000	1,550	4,000	200
SNAPPER	1,200	120	23,100	2,310	2,500	250
TOTAL	344,500	51,165	3,043,600	497,965	699,400	110,989

SPECIES	TRAMMEL NETS		LINES			
			LONG OR SET WITH HOOKS		SNAG	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN.	7,200	$432	800	$48	1,000	$60
BUFFALOFISH	502,400	75,360	15,200	2,280	159,400	23,910
CARP.	198,700	13,909	13,800	966	44,500	3,115
CATFISH AND BULLHEADS . . .	144,000	50,400	201,200	70,420	70,100	24,535
GARFISH	72,100	3,605	14,300	715	38,600	1,930
PADDLEFISH.	10,000	500	-	-	500	25
QUILLBACK	1,000	50	-	-	-	-
SHEEPSHEAD.	35,400	5,310	12,800	1,920	5,200	780
STURGEON, SHOVELNOSE. . . .	2,000	400	1,500	300	-	-
SUCKERS	12,500	625	-	-	-	-
TURTLES:						
SLIDER.	4,000	200	-	-	-	-
SNAPPER	10,000	1,000	1,400	140	4,000	400
TOTAL	999,300	151,791	261,000	76,789	323,300	54,755

SPECIES	DIP NETS, COMMON		CROWFOOT BARS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MUSSEL SHELLS	-	-	125,000	$18,750	12,000	$1,800
TURTLES, BABY	3,000	$22,500	-	-	-	-
TOTAL	3,000	22,500	125,000	18,750	12,000	1,800

ARKANSAS - LANDINGS BY WATERS, 1969

SPECIES	RED RIVER DRAINAGE AREA, UNCLASSIFIED		ARKANSAS RIVER DRAINAGE AREA		MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN.	12,700	$762	10,200	$612	3,600	$216
BUFFALOFISH	495,200	74,280	1,822,500	273,375	485,000	72,750
CARP.	206,700	14,469	568,700	39,809	168,300	11,781
CATFISH AND BULLHEADS . . .	174,600	61,110	749,900	262,465	184,200	64,470
GARFISH	121,300	6,065	123,700	6,185	65,000	3,250
PADDLEFISH.	4,500	225	14,800	740	6,600	330
QUILLBACK	6,100	305	36,300	1,815	9,000	450
SHEEPSHEAD.	52,300	7,845	162,600	24,390	20,200	3,030
STURGEON, SHOVELNOSE. . . .	6,200	1,240	8,800	1,760	1,400	280
SUCKERS	17,200	860	43,500	2,175	2,200	110
MUSSEL SHELLS	-	-	137,000	20,550	-	-
TURTLES:						
BABY.	-	-	-	-	3,000	22,500
SLIDER.	-	-	20,000	800	25,600	1,280
SNAPPER	6,200	620	18,500	1,850	17,500	1,750
TOTAL	1,103,000	167,781	3,716,500	636,526	991,600	182,19[illegible]

COLORADO

THE COMMERCIAL FISHERIES OF COLORADO WERE CONFINED TO THE MISSOURI RIVER DRAINAGE AREA. THE LANDINGS CONSISTED OF 6,000 POUNDS OF CARP, VALUED AT $180. FIVE CASUAL FISHERMEN EMPLOYING ONE MOTOR BOAT FISHED FIVE HAUL SEINES WITH A TOTAL OF 1,750 YARDS.

IDAHO

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	LINES, HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:			
REGULAR	7	-	7
CASUAL	-	730	730
TOTAL	7	730	737
BOATS:			
MOTOR	7	730	737
OTHER	7	-	7
GEAR:			
NUMBER	7	730	-
LENGTH, YARDS	467	-	-
HOOKS	-	730	-

IDAHO - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		LINES, HAND	
	POUNDS	VALUE	POUNDS	VALUE
CARP	430,000	$8,599	-	-
CHUBS	36,700	734	-	-
SALMON, RED OR SOCKEYE	-	-	62,400	$34,294
SUCKERS	659,000	13,181	-	-
TOTAL	1,125,700	22,514	62,400	34,294

NOTE:--THE COMMERCIAL FISHERIES WERE CONFINED TO THE PACIFIC OCEAN DRAINAGE AREA.

ILLINOIS

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	POTS AND TRAPS, WIRE BASKETS	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	19	82	45	6	66
CASUAL	31	138	76	3	118
TOTAL	50	220	121	9	184
BOATS:					
MOTOR	34	198	115	9	159
OTHER	4	1	-	-	-
GEAR:					
NUMBER	26	4,373	1,910	36	430
LENGTH, YARDS	6,688	-	-	-	-
SQUARE YARDS	-	-	-	3,333	79,997

(CONTINUED ON NEXT PAGE)

ILLINOIS - OPERATING UNITS BY GEAR, 1969 - Continued

ITEM	LINES, LONG OR SET WITH HOOKS	CROWFOOT BARS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	26	-	-	101
CASUAL	76	73	43	361
TOTAL	102	73	43	462
BOATS:				
MOTOR	91	73	17	418
OTHER	1	-	-	6
GEAR:				
NUMBER	384	146	-	-
HOOKS	38,650	-	-	-

ILLINOIS - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	900	$42
BUFFALOFISH	96,300	$11,282	811,300	96,342
CARP	135,000	6,924	819,100	47,790
CATFISH AND BULLHEADS	7,100	2,147	272,800	81,088
EEL, COMMON	-	-	(1)	18
GARFISH	28,000	894	3,600	118
MOONEYE	2,300	115	-	-
PADDLEFISH	13,100	952	8,400	828
SHEEPSHEAD	126,800	10,162	274,500	23,029
STURGEON, SHOVELNOSE	-	-	3,900	1,305
SUCKERS	-	-	800	86
YELLOW PERCH	-	-	(1)	3
TURTLES, SNAPPER	3,300	691	10,400	3,092
TOTAL	411,900	33,167	2,205,700	253,741

SPECIES	POTS AND TRAPS, WIRE BASKETS		GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	3,100	$161
BUFFALOFISH	500	$59	13,100	$1,539	1,013,000	116,360
CARP	2,300	115	8,700	439	911,100	46,446
CATFISH AND BULLHEADS	311,800	97,301	2,000	654	17,300	5,458
EEL, COMMON	400	36	-	-	-	-
GARFISH	-	-	-	-	700	38
PADDLEFISH	-	-	23,800	1,725	23,000	1,972
SHEEPSHEAD	5,100	403	-	-	41,600	3,494
STURGEON, SHOVELNOSE	-	-	600	226	4,100	1,582
SUCKERS	-	-	-	-	300	24
TOTAL	320,100	97,914	48,200	4,583	2,014,200	175,535

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

ILLINOIS - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	LINES, LONG OR SET WITH HOOKS		CROWFOOT BARS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	100	$5	-	-	-	-
BUFFALOFISH	1,100	138	-	-	-	-
CARP	10,100	519	-	-	-	-
CATFISH AND BULLHEADS	136,900	42,509	-	-	-	-
EEL, COMMON	200	40	-	-	-	-
GARFISH	100	3	-	-	-	-
MOONEYE	100	5	-	-	-	-
PADDLEFISH	300	21	-	-	-	-
SHEEPSHEAD	6,000	501	-	-	-	-
STURGEON, SHOVELNOSE	300	98	-	-	-	-
MUSSEL SHELLS	-	-	735,900	$44,773	604,300	$36,559
TURTLES, SNAPPER	5,600	1,168	-	-	-	-
TOTAL	160,800	45,007	735,900	44,773	604,300	36,559

1/ LESS THAN 50 POUNDS.

ILLINOIS - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER PROPER		OHIO RIVER DRAINAGE AREA			
			OHIO RIVER PROPER		WABASH RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,000	$45	100	$5	-	-
BUFFALOFISH	957,900	112,563	60,500	8,470	18,000	$2,513
CARP	924,000	47,495	17,900	1,253	46,200	4,901
CATFISH AND BULLHEADS	506,100	159,710	64,200	20,544	14,600	4,101
EEL, COMMON	400	37	200	40	(1)	17
GARFISH	31,800	1,015	-	-	-	-
MOONEYE	2,400	120	-	-	-	-
PADDLEFISH	59,600	4,325	1,500	225	800	223
SHEEPSHEAD	397,900	31,875	7,600	646	3,000	515
STURGEON, SHOVELNOSE	7,600	2,958	100	15	1,200	238
SUCKERS	500	39	300	24	300	47
YELLOW PERCH	1)	3	-	-	-	-
MUSSEL SHELLS	545,500	30,003	-	-	65,400	3,922
TURTLES, SNAPPER	1,400	286	-	-	100	24
TOTAL	3,436,100	390,474	152,400	31,222	149,600	16,501

SPECIES	ILLINOIS RIVER DRAINAGE AREA		MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	3,000	$158	-	-
BUFFALOFISH	752,600	83,275	146,300	$18,899
CARP	754,100	38,086	144,100	10,498
CATFISH AND BULLHEADS	147,700	39,913	15,300	4,889
GARFISH	600	38	-	-
PADDLEFISH	6,600	700	100	25
SHEEPSHEAD	44,100	4,284	1,400	269
MUSSEL SHELLS	663,300	43,117	66,000	4,290
TURTLES, SNAPPER	9,700	2,033	8,100	2,608
TOTAL	2,381,700	211,604	381,300	41,478

1/ LESS THAN 50 POUNDS.

INDIANA

OPERATING UNITS BY GEAR, 1969

ITEM	FYKE AND HOOP NETS, FISH	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	CROWFOOT BARS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	4	-	2	6	6	6
CASUAL	24	5	34	32	298	329
TOTAL	28	5	36	38	304	335
BOATS, MOTOR.	26	5	36	38	38	71
GEAR:						
NUMBER.	152	10	63	76	-	-
SQUARE YARDS.	-	2,000	-	-	-	-
HOOKS	-	-	3,850	-	-	-

INDIANA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	FYKE AND HOOP NETS, FISH		TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	47,300	$7,269	6,700	$1,206	500	$75
CARP.	5,700	386	1,300	130	200	12
CATFISH AND BULLHEADS . . .	8,600	3,268	200	76	9,800	3,814
PADDLEFISH.	1,600	208	-	-	-	-
QUILLBACK	3,600	180	-	-	-	-
SHEEPSHEAD.	1,800	180	500	50	1,200	120
STURGEON, SHOVELNOSE. . . .	11,400	2,280	-	-	1,600	320
SUCKERS	10,000	1,300	-	-	1,400	182
TOTAL	90,000	15,071	8,700	1,462	14,700	4,523

SPECIES	CROWFOOT BARS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
MUSSEL SHELLS, TOTAL. . . .	99,700	$19,442	300,300	$58,558

INDIANA - LANDINGS BY WATERS, 1969

SPECIES	OHIO RIVER PROPER		WABASH RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	12,500	$2,250	42,000	$6,300
CARP.	2,400	240	4,800	288
CATFISH AND BULLHEADS . . .	7,000	2,660	11,600	4,498
QUILLBACK	-	-	3,600	180
PADDLEFISH.	-	-	1,600	208
SHEEPSHEAD.	1,800	180	1,700	170
STURGEON, SHOVELNOSE. . . .	-	-	13,000	2,600
SUCKERS	-	-	11,400	1,482
MUSSEL SHELLS	-	-	400,000	78,000
TOTAL	23,700	5,330	489,700	93,726

MISSISSIPPI RIVER FISHERIES

IOWA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	WEIRS	POUND NETS, FISH	FYKE AND HOOP NETS, FISH	POTS AND TRAPS, FISH
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	31	-	-	75	102
CASUAL	102	8	8	230	306
TOTAL	133	8	8	305	408
BOATS:					
MOTOR	46	6	6	305	408
OTHER	44	-	-	-	-
GEAR:					
NUMBER	45	10	6	3,042	4,895
LENGTH, YARDS	9,750	-	-	-	-

ITEM	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	ELECTRICAL DEVICES	CROWFOOT BARS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	53	64	86	-	-	104
CASUAL	169	211	266	9	7	354
TOTAL	222	275	352	9	7	458
BOATS:						
MOTOR	220	275	352	6	7	435
OTHER	-	-	-	-	-	44
GEAR:						
NUMBER	551	403	1,758	6	14	-
SQUARE YARDS	38,666	89,600	175,800	-	-	-

IOWA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		WEIRS		POUND NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	200	$4	-	-	-	-
BUFFALOFISH	133,500	12,380	200	$5	-	-
CARP	206,500	7,406	19,800	203	-	-
CATFISH AND BULLHEADS	5,600	1,575	-	-	-	-
GARFISH	1,000	25	-	-	-	-
PADDLEFISH	8,800	965	-	-	-	-
SHEEPSHEAD	136,600	8,596	300	3	1,100	$11
STURGEON, SHOVELNOSE	1,100	284	-	-	-	-
SUCKERS	1,500	35	-	-	-	-
TOTAL	494,800	31,270	20,300	211	1,100	11

SPECIES	FYKE AND HOOP NETS, FISH		POTS AND TRAPS, FISH		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	500	$13	900	$23	-	-
BUFFALOFISH	131,500	15,119	234,900	25,254	199,700	$22,962
CARP	134,600	5,453	288,100	9,129	255,700	10,095
CATFISH AND BULLHEADS	128,500	38,429	205,300	62,003	12,900	3,892
EEL, COMMON	-	-	100	15	-	-
GARFISH	300	8	500	12	4,700	119
PADDLEFISH	600	66	1,100	120	4,700	516
SHEEPSHEAD	97,200	6,804	158,600	11,105	20,000	1,398
STURGEON, SHOVELNOSE	1,200	300	1,900	478	9,400	2,352
SUCKERS	21,600	536	35,300	877	4,400	109
UNCLASSIFIED, FOR FOOD	100	5	100	5	600	30
TURTLES, SNAPPER	100	16	200	33	-	-
TOTAL	516,200	66,749	927,000	109,054	512,100	41,473

(CONTINUED ON NEXT PAGE)

IOWA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	100	$2
BUFFALOFISH	202,600	$23,299	1,100	121
CARP	259,700	10,387	7,400	297
CATFISH AND BULLHEADS	15,800	4,356	65,300	19,433
EEL, COMMON	-	-	(1)	4
GARFISH	4,800	119	200	4
PADDLEFISH	5,400	593	(1)	2
SHEEPSHEAD	20,200	1,412	9,800	685
STURGEON, SHOVELNOSE	9,400	2,352	100	19
SUCKERS	5,100	126	-	-
UNCLASSIFIED, FOR FOOD	500	25	-	-
TURTLES, SNAPPER	100	14	300	47
TOTAL	523,600	42,683	84,300	20,614

SPECIES	ELECTRICAL DEVICES		CROWFOOT BARS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	200	$6	-	-
CARP	11,000	551	-	-
SHEEPSHEAD	(1)	1	-	-
MUSSEL SHELLS	-	-	52,000	$2,990
TOTAL	11,200	558	52,000	2,990

1/ LESS THAN 50 POUNDS.

IOWA - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER PROPER		MISSOURI RIVER DRAINAGE AREA		MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,700	$42	-	-	-	-
BUFFALOFISH	842,700	96,911	43,200	$1,688	17,800	$547
CARP	993,200	39,727	147,100	2,717	42,500	1,077
CATFISH AND BULLHEADS	423,500	128,104	9,900	1,584	-	-
EEL, COMMON	100	19	-	-	-	-
GARFISH	11,400	284	100	3	-	-
PADDLEFISH	19,400	2,130	1,200	132	-	-
SHEEPSHEAD	425,900	29,815	17,600	197	300	3
STURGEON, SHOVELNOSE	23,100	5,785	-	-	-	-
SUCKERS	66,700	1,655	1,100	27	100	1
UNCLASSIFIED, FOR FOOD	1,300	65	-	-	-	-
MUSSEL SHELLS	52,000	2,990	-	-	-	-
TURTLES, SNAPPER	700	110	-	-	-	-
TOTAL	2,861,700	307,637	220,200	6,348	60,700	1,628

KANSAS

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE, CASUAL, TOTAL	1	8	11	4	16	29
BOATS, MOTOR	1	8	11	4	-	13
GEAR:						
NUMBER	1	42	11	39	-	-
LENGTH, YARDS	85	-	-	-	-	-
SQUARE YARDS	-	-	1,570	-	-	-
HOOKS	-	-	-	265	-	-

KANSAS - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	200	$58	1,900	$559	1,000	$320
CARP.	300	63	15,100	3,781	5,600	1,409
CATFISH AND BULLHEADS . . .	-	-	4,100	2,029	500	256
QUILLBACK	-	-	100	40	200	41
TOTAL	500	121	21,200	6,409	7,300	2,026

SPECIES	LINES, LONG OR SET WITH HOOKS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE
CARP.	100	$12	-	-
CATFISH AND BULLHEADS . . .	100	47	-	-
MUSSEL SHELLS	-	-	151,100	$9,820
TOTAL	200	59	151,100	9,820

KANSAS - LANDINGS BY WATERS, 1969

SPECIES	ARKANSAS RIVER DRAINAGE AREA		MISSOURI RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	3,100	$937
CARP.	-	-	21,100	5,265
CATFISH AND BULLHEADS . . .	-	-	4,700	2,332
QUILLBACK	-	-	300	81
MUSSEL SHELLS	151,100	$9,820	-	-
TOTAL	151,100	9,820	29,200	8,615

KENTUCKY

OPERATING UNITS BY GEAR, 1969

ITEM	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	DIP NETS, COMMON	CROWFOOT BARS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR.	25	30	35	65	-	20	127
CASUAL	175	58	85	340	32	15	540
TOTAL	200	88	120	405	32	35	667
BOATS, MOTOR.	195	84	116	390	32	35	642
GEAR:							
NUMBER.	1,030	298	352	2,500	32	70	-
SQUARE YARDS.	-	58,100	70,400	-	-	-	-
HOOKS	-	-	-	220,000	-	-	-

KENTUCKY - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	FYKE AND HOOP NETS, FISH		GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	88,800	$12,412	187,800	$26,931	165,500	$22,764
CARP	55,500	2,970	63,400	3,160	67,600	3,584
CATFISH AND BULLHEADS	110,300	34,496	82,100	26,900	71,900	22,987
PADDLEFISH	-	-	22,800	3,229	17,200	2,578
QUILLBACK	1,100	108	-	-	700	62
SHEEPSHEAD	12,700	709	6,400	364	10,000	575
STURGEON, SHOVELNOSE	-	-	-	-	600	90
SUCKERS	2,000	150	300	30	900	86
TOTAL	270,400	50,845	362,800	60,614	334,400	52,726

SPECIES	LINES, LONG, OR SET WITH HOOKS		DIP NETS, COMMON		CROWFOOT BARS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	8,000	$1,070	-	-	-	-
CARP	6,200	318	-	-	-	-
CATFISH AND BULLHEADS	929,700	289,388	-	-	-	-
EEL, COMMON	100	15	-	-	-	-
GIZZARD SHAD	-	-	572,000	$20,020	-	-
QUILLBACK	200	20	-	-	-	-
SHEEPSHEAD	13,100	735	-	-	-	-
STURGEON, SHOVELNOSE	2,500	390	-	-	-	-
SUCKERS	600	30	-	-	-	-
MUSSEL SHELLS	-	-	-	-	482,700	$35,220
TOTAL	960,400	291,966	572,000	20,020	482,700	35,220

KENTUCKY - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER PROPER		OHIO RIVER DRAINAGE AREA			
			OHIO RIVER PROPER		TENNESSEE RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	27,500	$4,950	124,500	$16,185	75,900	$9,487
CARP	10,500	840	60,200	3,010	40,400	2,020
CATFISH AND BULLHEADS	15,000	5,250	122,500	36,995	910,000	282,100
EEL, COMMON	-	-	100	15	-	-
GIZZARD SHAD	-	-	-	-	57,200	2,002
PADDLEFISH	1,000	150	15,700	2,198	9,500	1,425
QUILLBACK	500	40	1,000	100	-	-
SHEEPSHEAD	1,100	132	23,500	1,363	5,000	250
STURGEON, SHOVELNOSE	300	30	2,500	375	-	-
SUCKERS	200	16	2,000	200	-	-
MUSSEL SHELLS	-	-	446,600	33,297	-	-
TOTAL	56,100	11,408	798,600	93,738	1,098,000	297,284

SPECIES	OHIO RIVER DRAINAGE AREA - CONTINUED			
	CUMBERLAND RIVER DRAINAGE AREA		UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	76,100	$10,961	146,100	$21,594
CARP	25,100	1,147	56,500	3,015
CATFISH AND BULLHEADS	101,300	35,367	45,200	14,059
GIZZARD SHAD	514,800	18,018	-	-
PADDLEFISH	11,800	1,634	2,000	400
QUILLBACK	-	-	500	50
SHEEPSHEAD	3,600	189	9,000	449
STURGEON, SHOVELNOSE	-	-	300	75
SUCKERS	1,000	50	600	30
MUSSEL SHELLS	-	-	36,100	1,923
TOTAL	733,700	67,366	296,300	41,595

MISSISSIPPI RIVER FISHERIES

LOUISIANA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	POTS AND TRAPS			GILL NETS, ANCHOR, SET OR STAKE
			CRAWFISH	SHRIMP	TURTLE	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	29	252	167	2	7	163
CASUAL	48	719	662	12	7	432
TOTAL	77	971	829	14	14	595
BOATS, MOTOR	51	971	-	14	14	595
GEAR:						
NUMBER	49	28,105	61,772	130	65	1,191
LENGTH, YARDS	13,500	-	-	-	-	-
SQUARE YARDS	-	-	-	-	-	421,447

ITEM	TRAMMEL NETS	LINES		DIP NETS, COMMON	FROG GRABS	TOTAL, EXCLUSIVE OF DUPLICATION
		HAND	LONG OR SET WITH HOOKS			
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR	115	19	167	68	69	370
CASUAL	299	38	492	154	82	1,245
TOTAL	414	57	659	222	151	1,615
BOATS:						
MOTOR	414	57	659	215	151	1,610
OTHER	-	-	-	7	-	7
GEAR:						
NUMBER	637	176	1,587	192	151	-
SQUARE YARDS	125,719	-	-	-	-	-
HOOKS	-	196	214,350	-	-	-

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH		POTS AND TRAPS	
					CRAWFISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	4,200	$217	19,400	$1,007	-	-
BUFFALOFISH	78,900	10,383	752,800	99,067	-	-
CARP	13,000	452	69,200	2,408	-	-
CATFISH AND BULLHEADS	31,700	8,939	417,600	117,765	-	-
GARFISH	36,700	2,681	10,300	796	-	-
PADDLEFISH	1,400	70	2,900	145	-	-
SHEEPSHEAD	28,700	2,782	342,300	33,270	-	-
CRAWFISH	-	-	-	-	4,864,800	$964,689
TURTLES, SNAPPER	800	259	3,300	1,070	-	-
TOTAL	195,400	25,783	1,617,800	255,528	4,864,800	964,689

SPECIES	POTS AND TRAPS - CONTINUED				GILL NETS, ANCHOR, SET OR STAKE	
	SHRIMP		TURTLE			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	14,900	$770
BUFFALOFISH	-	-	-	-	636,400	83,749
CARP	-	-	-	-	66,500	2,315
CATFISH AND BULLHEADS	-	-	-	-	200,100	56,427
GARFISH	-	-	-	-	253,200	19,543
PADDLEFISH	-	-	-	-	4,700	235
SHEEPSHEAD	-	-	-	-	244,700	23,773
SHRIMP	1,700	$573	-	-	-	-
TURTLES, SNAPPER	-	-	10,800	$3,510	1,900	615
TOTAL	1,700	573	10,800	3,510	1,422,400	187,427

(CONTINUED ON NEXT PAGE)

LOUISIANA - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	TRAMMEL NETS		LINES			
			HAND		LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	13,000	$673	-	-	2,500	$129
BUFFALOFISH	447,100	58,841	-	-	2,300	302
CARP	35,900	1,248	-	-	200	7
CATFISH AND BULLHEADS	180,900	51,010	-	-	297,900	84,013
GARFISH	130,300	10,058	-	-	82,500	6,367
PADDLEFISH	3,000	150	-	-	2,400	120
SHEEPSHEAD	184,500	17,936	-	-	2,000	194
TURTLES, SNAPPER	1,800	583	5,500	$1,788	15,700	5,099
TOTAL	996,500	140,499	5,500	1,788	405,500	96,231

SPECIES	DIP NETS, COMMON		FROG GRABS	
	POUNDS	VALUE	POUNDS	VALUE
SHAD	744,700	$25,990	-	-
TURTLE, BABY	1,000	12,500	-	-
FROGS	38,700	27,573	36,600	$26,077
TOTAL	784,400	66,063	36,600	26,077

LOUISIANA - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER PROPER		ATCHAFALAYA RIVER DRAINAGE AREA		RED RIVER DRAINAGE AREA	
					OUACHITA RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	5,400	$280	17,300	$896	5,200	$270
BUFFALOFISH	183,500	24,148	713,500	93,896	255,100	33,571
CARP	45,900	1,600	32,600	1,138	19,400	671
CATFISH AND BULLHEADS	73,100	20,614	626,400	176,647	102,300	28,851
GARFISH	64,500	4,978	232,600	17,802	74,800	5,776
PADDLEFISH	1,300	65	3,300	165	2,100	105
SHAD	-	-	512,500	17,886	-	-
SHEEPSHEAD	53,500	5,201	429,400	41,737	74,900	7,280
CRAWFISH	12,100	2,399	4,788,200	949,500	-	-
SHRIMP	1,700	573	-	-	-	-
TURTLES:						
BABY	-	-	-	-	600	7,500
SNAPPER	1,200	389	20,800	6,757	8,700	2,824
FROGS	500	356	71,700	51,087	1,300	925
TOTAL	442,700	60,603	7,448,300	1,357,511	544,400	87,773

SPECIES	RED RIVER DRAINAGE AREA - CONTINUED		MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	UNCLASSIFIED			
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	23,000	$1,189	3,100	$161
BUFFALOFISH	638,200	83,988	127,200	16,739
CARP	56,000	1,945	30,900	1,076
CATFISH AND BULLHEADS	275,300	77,633	51,100	14,409
GARFISH	107,300	8,281	33,800	2,608
PADDLEFISH	6,900	345	800	40
SHAD	138,800	4,844	93,400	3,260
SHEEPSHEAD	200,500	19,469	43,900	4,268
CRAWFISH	55,000	10,906	9,500	1,884
TURTLES:				
BABY	300	3,750	100	1,250
SNAPPER	8,200	2,663	900	291
FROGS	500	355	1,300	927
TOTAL	1,510,000	215,368	396,000	46,913

MISSISSIPPI RIVER FISHERIES

MINNESOTA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	WEIRS	FYKE AND HOOP NETS, FISH	POTS AND TRAPS, FISH	GILL NETS, ANCHOR, SET OR STAKE	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	19	-	22	-	91	4	125
CASUAL	206	76	78	41	128	62	452
TOTAL	225	76	100	41	219	66	577
BOATS:							
MOTOR	52	11	49	9	116	66	258
OTHER	30	-	-	-	-	-	30
GEAR:							
NUMBER	50	60	2,922	103	216	66	-
LENGTH, YARDS	35,864	-	-	-	-	-	-
SQUARE YARDS	-	-	-	-	209,733	-	-
HOOKS	-	-	-	-	-	15,501	-

MINNESOTA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		WEIRS		FYKE AND HOOP NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	3,400	$71	3,100	$62	18,000	$360
BUFFALOFISH	379,400	45,531	9,900	1,192	15,700	1,877
BURBOT	-	-	700	16	22,700	567
CARP	1,344,300	40,331	488,000	14,637	82,300	2,472
CATFISH AND BULLHEADS	127,800	10,251	155,000	12,404	1,790,500	143,244
GARFISH	1,500	79	-	-	100	4
MINNOW	1,100	21	-	-	-	-
MOONEYE	300	29	-	-	-	-
QUILLBACK	100	4	-	-	-	-
SHEEPSHEAD	43,500	2,176	2,700	138	100	5
SUCKERS	700	13	21,300	424	7,700	155
YELLOW PERCH	(1)	1	13,400	337	23,000	575
TURTLES, UNCLASSIFIED	800	94	-	-	300	33
TOTAL	1,902,900	98,601	694,100	29,210	1,960,400	149,292

SPECIES	POTS AND TRAPS, FISH		GILL NETS, ANCHOR, SET OR STAKE		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	300	$6	100	$2	800	$16
BUFFALOFISH	400	44	23,400	2,805	400	48
BURBOT	400	10	-	-	-	-
CARP	22,900	689	91,600	2,748	6,500	195
CATFISH AND BULLHEADS	102,200	8,178	900	282	38,300	10,630
GARFISH	-	-	100	8	600	48
MINNOW	-	-	6,700	1,663	-	-
PIKE OR PICKEREL	-	-	22,100	3,308	-	-
QUILLBACK	-	-	100	5	-	-
SHEEPSHEAD	-	-	142,100	4,991	7,100	355
SUCKERS	11,000	219	7,400	260	100	2
TULLIBEE	600	13	-	-	-	-
WHITEFISH, COMMON	-	-	23,900	9,577	-	-
YELLOW PERCH	11,400	283	448,000	134,403	-	-
YELLOW PIKE	-	-	657,200	230,026	-	-
TOTAL	149,200	9,442	1,423,600	390,078	53,800	11,294

1/ LESS THAN 50 POUNDS.

MISSISSIPPI RIVER FISHERIES

MINNESOTA - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA					
	MISSISSIPPI RIVER PROPER		MISSOURI RIVER DRAINAGE AREA		ST. CROIX RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	2,500	$50	-	-	(1)	$1
BUFFALOFISH	43,600	4,401	11,600	$1,398	7,700	1,748
CARP	321,800	7,282	2,700	81	257,700	10,103
CATFISH AND BULLHEADS	39,000	10,852	100	6	10,000	798
GARFISH	700	56	-	-	200	16
MOONEYE	100	19	-	-	-	-
QUILLBACK	200	9	-	-	-	-
SHEEPSHEAD	15,400	630	-	-	14,100	846
SUCKERS	200	4	-	-	600	12
YELLOW PERCH	-	-	-	-	(1)	1
TOTAL	423,500	23,303	14,400	1,485	290,300	13,525

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED		NORTHERN DRAINAGE AREA	
			RED RIVER OF THE NORTH DRAINAGE AREA	
	UNCLASSIFIED		RED LAKE	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	9,300	$188	-	-
BUFFALOFISH	348,000	41,757	-	-
BURBOT	18,700	465	-	-
CARP	1,248,800	37,468	-	-
CATFISH AND BULLHEADS	1,188,400	95,076	300	$98
GARFISH	1,200	59	-	-
MINNOWS	1,100	21	6,700	1,663
MOONEYE	200	10	-	-
PIKE OR PICKEREL	-	-	22,100	3,308
SHEEPSHEAD	10,100	507	140,900	4,931
SUCKERS	28,900	577	7,400	260
TULLIBEE	600	13	-	-
WHITEFISH, COMMON	-	-	23,900	9,577
YELLOW PERCH	30,100	752	448,000	134,403
YELLOW PIKE	-	-	657,200	230,026
TURTLES, UNCLASSIFIED	800	96	-	-
TOTAL	2,886,200	176,989	1,306,500	384,266

SPECIES	NORTHERN DRAINAGE AREA - CONTINUED			
	RED RIVER OF THE NORTH DRAINAGE AREA - CONTINUED		UNCLASSIFIED	
	UNCLASSIFIED			
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	13,800	$276	100	$2
BUFFALOFISH	18,300	2,193	-	-
BURBOT	4,500	114	600	14
CARP	204,600	6,138	-	-
CATFISH AND BULLHEADS	939,500	75,163	37,400	2,996
GARFISH	200	8	-	-
SHEEPSHEAD	15,000	751	-	-
SUCKERS	8,500	169	2,600	51
YELLOW PERCH	14,500	364	3,200	79
TURTLES, UNCLASSIFIED	300	31	-	-
TOTAL	1,219,200	85,207	43,900	3,142

1/ LESS THAN 50 POUNDS.

MISSISSIPPI RIVER FISHERIES
MISSISSIPPI
OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES: LONG OR SET WITH HOOKS	LINES: SNAG	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:							
REGULAR	29	99	151	41	143	57	161
CASUAL	14	281	201	24	302	105	542
TOTAL	43	380	352	65	445	162	703
BOATS:							
MOTOR	22	355	332	62	413	148	641
OTHER	8	-	-	-	-	-	8
GEAR:							
NUMBER	17	3,450	757	95	1,538	500	-
LENGTH, YARDS	5,800	-	-	-	-	-	-
SQUARE YARDS	-	-	291,704	33,800	-	-	-
HOOKS	-	-	-	-	382,300	623,000	-

MISSISSIPPI - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	1,200	$66	-	-
BUFFALOFISH	86,000	$12,900	539,400	83,324	935,100	$141,787
CARP	10,400	520	161,700	8,949	145,400	7,972
CATFISH AND BULLHEADS	400	127	164,500	55,082	66,100	21,711
GARFISH	2,200	165	2,500	188	19,800	1,485
PADDLEFISH	-	-	-	-	19,900	1,990
QUILLBACK	700	46	3,300	215	200	13
SHEEPSHEAD	1,000	80	13,300	1,155	26,800	1,969
SUCKERS	-	-	2,800	196	1,000	70
TOTAL	100,700	13,838	888,700	149,175	1,214,300	176,997

SPECIES	TRAMMEL NETS		LINES: LONG OR SET WITH HOOKS		LINES: SNAG	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	6,000	$330	-	-
BUFFALOFISH	135,700	$21,062	12,900	1,954	12,500	$1,915
CARP	43,200	2,416	7,200	390	7,300	421
CATFISH AND BULLHEADS	19,400	6,450	458,900	151,476	65,700	21,170
GARFISH	4,000	300	6,700	502	2,800	210
PADDLEFISH	1,500	150	-	-	7,200	720
SHEEPSHEAD	4,900	396	15,000	1,008	3,000	188
STURGEON, SHOVELNOSE	-	-	500	50	-	-
TOTAL	208,700	30,774	507,200	155,710	98,500	24,624

MISSISSIPPI - LANDINGS BY WATERS, 1969

SPECIES	OHIO RIVER DRAINAGE AREA: TENNESSEE RIVER DRAINAGE AREA		MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	7,200	$396
BUFFALOFISH	28,800	$3,889	1,692,800	259,053
CARP	14,300	715	360,900	19,953
CATFISH AND BULLHEADS	38,000	12,160	737,000	243,856
GARFISH	-	-	38,000	2,850
PADDLEFISH	8,800	880	19,800	1,980
QUILLBACK	-	-	4,200	274
SHEEPSHEAD	15,000	676	49,000	4,120
STURGEON, SHOVELNOSE	-	-	500	50
SUCKERS	-	-	3,800	266
TOTAL	104,900	18,320	2,913,200	532,798

MISSISSIPPI RIVER FISHERIES

MISSOURI

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	5	27	33	10	41
CASUAL	2	168	207	109	367
TOTAL	7	195	240	119	408
BOATS, MOTOR	7	184	233	118	389
GEAR:					
NUMBER	7	1,193	240	236	-
LENGTH, YARDS	1,617	-	-	-	-
SQUARE YARDS	-	-	45,271	-	-
HOOKS	-	-	-	22,835	-

MISSOURI - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	(1)	$2
BUFFALOFISH	7,000	$1,410	100,700	20,140
CARP	2,300	185	130,400	10,432
CATFISH AND BULLHEADS	3,000	949	45,500	14,623
EEL, COMMON	(1)	4	(1)	6
GARFISH	1,900	194	900	90
PADDLEFISH	1,300	172	2,300	323
QUILLBACK	1,200	99	6,500	520
SHEEPSHEAD	900	118	32,200	4,500
STURGEON, SHOVELNOSE	-	-	300	63
SUCKERS	300	33	1,600	165
TOTAL	17,900	3,164	320,400	50,864

SPECIES	TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	800	$74	300	$22
BUFFALOFISH	194,700	38,951	1,800	343
CARP	152,300	12,184	8,900	714
CATFISH AND BULLHEADS	47,000	15,340	23,600	7,533
EEL, COMMON	100	8	200	29
GARFISH	15,000	1,498	500	49
PADDLEFISH	7,900	1,105	500	72
QUILLBACK	18,200	1,453	-	-
SHEEPSHEAD	34,000	4,759	3,500	494
STURGEON, SHOVELNOSE	4,800	1,046	900	207
SUCKERS	4,200	419	100	5
TOTAL	479,000	76,837	40,300	9,468

1/ LESS THAN 50 POUNDS.

MISSOURI - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER PROPER		MISSOURI RIVER DRAINAGE AREA		MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	800	$70	300	$26	(1)	$2
BUFFALOFISH	232,600	46,520	70,000	14,004	1,600	320
CARP	184,300	14,746	108,900	8,714	700	55
CATFISH AND BULLHEADS	84,200	26,976	34,700	11,390	200	79
EEL, COMMON	300	45	(1)	2	-	-
GARFISH	15,200	1,523	3,100	306	(1)	2
PADDLEFISH	7,000	977	5,000	695	-	-
QUILLBACK	16,100	1,290	9,800	782	-	-
SHEEPSHEAD	62,500	8,747	7,900	1,104	200	20
STURGEON, SHOVELNOSE	5,600	1,227	400	89	-	-
SUCKERS	5,700	573	500	49	-	-
TOTAL	614,300	102,694	240,600	37,161	2,700	478

1/ LESS THAN 50 POUNDS.

MISSISSIPPI RIVER FISHERIES

MONTANA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR.	3	1	12	12	13
CASUAL	-	1	-	-	1
TOTAL	3	2	12	12	14
BOATS:					
MOTOR	1	1	9	9	10
OTHER	2	-	-	-	2
GEAR:					
NUMBER.	1	50	52	46	-
LENGTH, YARDS	600	-	-	-	-
SQUARE YARDS.	-	-	13,955	12,267	-

MONTANA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	60,800	$12,000	-	-
CARP.	263,400	5,900	32,900	$9,860
CATFISH AND BULLHEADS . . .	600	140	-	-
QUILLBACK	3,200	60	-	-
SHEEPSHEAD.	2,100	40	-	-
SUCKERS	4,400	120	-	-
TOTAL	334,500	18,260	32,900	9,860

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	-	-	221,700	$45,000
CARP.	-	-	7,100	150
CATFISH AND BULLHEADS . . .	-	-	3,200	960
MOONEYE	173,000	$44,200	-	-
QUILLBACK	-	-	53,300	1,050
SHEEPSHEAD.	-	-	9,300	190
SUCKERS	-	-	100	4
TOTAL	173,000	44,200	294,700	47,354

NOTE:--THE COMMERCIAL FISHERIES WERE CONFINED TO THE MISSOURI RIVER DRAINAGE AREA.

MISSISSIPPI RIVER FISHERIES

NEBRASKA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	FYKE AND HOOP NETS, FISH	POTS AND TRAPS, FISH	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:						
REGULAR.	-	5	4	5	-	5
CASUAL	17	40	22	72	1	117
TOTAL	17	45	26	77	1	122
BOATS:						
MOTOR	7	45	26	77	1	112
OTHER	7	-	-	-	-	7
GEAR:						
NUMBER.	7	189	113	77	1	-
LENGTH, YARDS	1,133	-	-	-	-	-
SQUARE YARDS.	-	-	-	10,266	-	-
HOOKS	-	-	-	-	200	-

NEBRASKA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		FYKE AND HOOP NETS, FISH		POTS AND TRAPS, FISH	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	2,500	$369	8,900	$1,334	600	$89
CARP.	83,400	2,185	19,900	707	5,100	180
CATFISH AND BULLHEADS . . .	5,200	138	7,700	2,671	5,800	2,026
GIZZARD SHAD.	123,000	3,075	400	15	-	-
GOLDFISH.	2,900	73	-	-	-	-
QUILLBACK	20,500	533	-	-	-	-
TOTAL	237,500	6,373	36,900	4,727	11,500	2,295

SPECIES	TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	18,100	$2,719	-	-
CARP.	43,000	1,819	-	-
CATFISH AND BULLHEADS . . .	4,800	1,671	100	$31
QUILLBACK	2,700	107	-	-
TOTAL	68,600	6,316	100	31

NOTE:--THE COMMERCIAL FISHERIES WERE CONFINED TO THE MISSOURI RIVER DRAINAGE AREA.

NEW MEXICO

THE COMMERCIAL FISHERIES WERE CONFINED TO THE ELEPHANT BUTTE LAKES OF THE RIO GRANDE RIVER DRAINAGE AREA. THE LANDINGS CONSISTED OF 29,800 POUNDS OF BUFFALOFISH, VALUED AT $6,859; 1,200 POUNDS OF CARP, VALUED AT $36; AND 300 POUNDS OF QUILLBACK, VALUED AT $6. ONE REGULAR FISHERMAN AND ONE CASUAL FISHERMAN EMPLOYING ONE MOTOR BOAT FISHED 12 GILL NETS (ANCHOR, SET OR STAKE) WITH A TOTAL OF 2,400 SQUARE YARDS.

NORTH DAKOTA

OPERATING UNITS BY GEAR, 1969

ITEM	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET OR STAKE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE, REGULAR	5	3	5
BOATS, MOTOR.	4	3	4
GEAR:			
NUMBER.	170	1	-
SQUARE YARDS.		1,333	-

NORTH DAKOTA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	FYKE AND HOOP NETS, FISH		GILL NETS, ANCHOR SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	62,600	$5,007	31,300	$2,503
CARP.	38,300	1,149	19,200	575
CATFISH AND BULLHEADS . . .	200,000	8,329	-	-
MOONEYE	27,300	8,198	54,700	16,410
PADDLEFISH.	3,300	330	6,500	651
YELLOW PERCH.	10,300	1,025	-	-
TOTAL	341,800	24,038	111,700	20,139

NORTH DAKOTA - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA		NORTHERN DRAINAGE AREA			
	MISSOURI RIVER DRAINAGE AREA		RED RIVER OF THE NORTH DRAINAGE AREA, UNCLASSIFIED		UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	93,900	$7,510	-	-	-	-
CARP.	57,500	1,724	-	-	-	-
CATFISH AND BULLHEADS . . .	7,300	112	85,100	$2,853	107,600	$5,364
MOONEYE	82,000	24,608	-	-	-	-
PADDLEFISH.	9,800	981	-	-	-	-
YELLOW PERCH.	-	-	10,300	1,025	-	-
TOTAL	250,500	34,935	95,400	3,878	107,600	5,364

OHIO

THE COMMERCIAL FISHERIES OF OHIO WERE CONFINED TO THE OHIO RIVER DRAINAGE AREA. THE LANDINGS CONSISTED OF 649,000 POUNDS OF MUSSEL SHELLS VALUED AT $54,908. THIRTY-ONE CASUAL FISHERMEN EMPLOYING 31 MOTOR BOATS FISHED 62 CROW-FOOT BARS.

OKLAHOMA

OPERATING UNITS BY GEAR, 1969

ITEM	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	BY HAND	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:				
REGULAR	42	21	15	57
CASUAL	30	-	15	45
TOTAL	72	21	30	102
BOATS, MOTOR	72	21	20	92
GEAR:				
NUMBER	299	56	-	-
SQUARE YARDS	119,900	14,840	-	-

OKLAHOMA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS		BY HAND	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	183,400	$27,510	30,200	$4,530	-	-
CARP	86,400	4,320	13,400	670	-	-
CATFISH AND BULLHEADS	77,600	27,160	13,400	4,690	-	-
GARFISH	2,100	168	400	32	-	-
PADDLEFISH	4,600	690	900	135	-	-
QUILLBACK	28,300	2,264	5,100	408	-	-
SHEEPSHEAD	9,100	910	1,500	150	-	-
WHITE BASS	4,600	920	800	160	-	-
MUSSEL SHELLS	-	-	-	-	309,300	$18,558
TOTAL	396,100	63,942	65,700	10,775	309,300	18,558

OKLAHOMA - LANDINGS BY WATERS, 1969

SPECIES	RED RIVER DRAINAGE AREA, UNCLASSIFIED		ARKANSAS RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	98,700	$14,805	114,900	$17,235
CARP	43,600	2,180	56,200	2,810
CATFISH AND BULLHEADS	5,400	1,890	85,600	29,960
GARFISH	2,500	200	-	-
PADDLEFISH	-	-	5,500	825
QUILLBACK	30,500	2,440	2,900	232
SHEEPSHEAD	2,100	210	8,500	850
WHITE BASS	-	-	5,400	1,080
MUSSEL SHELLS	-	-	309,300	18,558
TOTAL	182,800	21,725	588,300	71,550

MISSISSIPPI RIVER FISHERIES

SOUTH DAKOTA

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	WEIRS	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET, OR STAKE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR.	13	-	15	8	15
CASUAL	30	6	15	6	41
TOTAL	43	6	30	14	56
BOATS:					
MOTOR	12	-	21	14	29
OTHER	6	-	-	-	6
GEAR:					
NUMBER.	9	1	460	90	-
LENGTH, YARDS	7,167	-	-	-	-
SQUARE YARDS.	-	-	-	18,000	-

SOUTH DAKOTA - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		WEIRS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	415,900	$41,590	-	-
CARP.	537,200	16,116	473,800	$14,214
CATFISH AND BULLHEADS . . .	98,900	8,901	-	-
SHEEPSHEAD.	300	18	-	-
TOTAL	1,052,300	66,625	473,800	14,214

SPECIES	FYKE AND HOOP NETS, FISH		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	249,200	$24,920	450,800	$45,080
CARP.	74,000	2,220	16,600	498
CATFISH AND BULLHEADS . . .	500,300	45,907	12,500	3,125
MOONEYE	80,900	28,315	150,400	52,640
SHEEPSHEAD.	2,300	138	3,300	198
SUCKERS	15,400	616	24,900	996
TOTAL	922,100	102,116	658,500	102,537

SOUTH DAKOTA - LANDINGS BY WATERS, 1969

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA				NORTHERN DRAINAGE AREA	
	MISSOURI RIVER DRAINAGE AREA		UNCLASSIFIED		RED RIVER OF THE NORTH DRAINAGE AREA, UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	1,087,000	$108,700	28,900	$2,890	-	-
CARP.	432,500	12,975	148,400	4,452	520,700	$15,621
CATFISH AND BULLHEADS . . .	557,900	53,091	7,900	711	45,900	4,131
MOONEYE	231,300	80,955	-	-	-	-
SHEEPSHEAD.	5,000	300	-	-	900	54
SUCKERS	40,300	1,612	-	-	-	-
TOTAL	2,354,000	257,633	185,200	8,053	567,500	19,806

MISSISSIPPI RIVER FISHERIES

TENNESSEE

OPERATING UNITS BY GEAR, 1969

ITEM	FYKE AND HOOP NETS		GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES
	FISH	TURTLE			LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	98	12	31	142	167
CASUAL	148	13	43	129	408
TOTAL	246	25	74	271	575
BOATS, MOTOR	246	25	74	271	568
GEAR:					
NUMBER	2,375	150	115	854	4,105
SQUARE YARDS	-	-	26,560	215,400	-
HOOKS	-	-	-	-	339,375

ITEM	LINES - CONTINUED	DIP NETS, COMMON	CROWFOOT BARS	DIVING OUTFITS	TOTAL, EXCLUSIVE OF DUPLICATION
	SNAG				
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	80	4	20	45	317
CASUAL	136	18	26	3	603
TOTAL	216	22	46	48	920
BOATS, MOTOR	214	12	46	48	905
GEAR:					
NUMBER	693	22	92	48	-
HOOKS	329,500	-	-	-	-

TENNESSEE - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	FYKE AND HOOP NETS				GILL NETS, ANCHOR, SET OR STAKE	
	FISH		TURTLE			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	44,800	$2,016	-	-	1,000	$45
BUFFALOFISH	190,700	21,404	-	-	117,600	12,642
CARP	116,100	5,634	-	-	65,700	2,623
CATFISH AND BULLHEADS	62,300	18,945	-	-	15,900	4,859
CRAPPIE	40,300	12,090	-	-	8,700	2,610
PADDLEFISH	-	-	-	-	15,200	1,576
QUILLBACK	16,500	1,050	-	-	-	-
SHEEPSHEAD	41,200	1,770	-	-	25,200	1,190
STURGEON, SHOVELNOSE	400	40	-	-	-	-
YELLOW BASS	21,700	2,170	-	-	1,000	100
TURTLES:						
SLIDER	-	-	36,500	$1,095	1,000	30
SNAPPER	-	-	4,000	600	-	-
TOTAL	534,000	65,119	40,500	1,695	251,300	25,675

SPECIES	TRAMMEL NETS		LINES			
			LONG OR SET WITH HOOKS		SNAG	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	1,200	$54	-	-	-	-
BUFFALOFISH	1,118,000	119,262	15,500	$1,684	13,900	$1,582
CARP	489,700	20,856	11,300	495	16,300	753
CATFISH AND BULLHEADS	176,000	54,014	938,500	294,554	125,700	38,942
CRAPPIE	4,700	1,410	-	-	-	-
PADDLEFISH	46,800	4,819	600	65	35,300	3,595
QUILLBACK	60,500	2,941	3,500	170	-	-
SHEEPSHEAD	197,800	8,664	43,900	2,196	9,200	502
STURGEON, SHOVELNOSE	-	-	800	80	-	-
SUCKERS	7,200	360	-	-	-	-
TURTLES, SLIDER	2,000	60	-	-	-	-
TOTAL	2,103,900	212,440	1,014,100	299,244	200,400	45,374

(CONTINUED ON NEXT PAGE)

TENNESSEE - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES	DIP NETS, COMMON		CROWFOOT BARS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
MUSSEL SHELLS	-	-	792,400	$63,892	1,949,000	$144,934
TURTLES, BABY	200	$2,500	-	-	-	-
TOTAL	200	2,500	792,400	63,892	1,949,000	144,934

TENNESSEE - LANDINGS BY WATERS, 1969

SPECIES	OHIO RIVER DRAINAGE AREA				MISSISSIPPI RIVER DRAINAGE AREA, UNCLASSIFIED	
	TENNESSEE RIVER DRAINAGE AREA		CUMBERLAND RIVER DRAINAGE AREA			
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	-	-	47,000	$2,115
BUFFALOFISH	885,500	$91,035	93,900	$13,146	476,300	52,393
CARP	428,000	16,350	45,600	2,736	225,500	11,275
CATFISH AND BULLHEADS	1,026,900	324,570	56,500	16,950	235,000	69,794
CRAPPIE	-	-	-	-	53,700	16,110
PADDLEFISH	70,900	7,090	11,500	1,725	15,500	1,240
QUILLBACK	68,400	3,386	3,400	340	8,700	435
SHEEPSHEAD	90,700	5,468	14,200	1,420	212,400	7,434
STURGEON, SHOVELNOSE	-	-	-	-	1,200	120
SUCKERS	6,000	240	1,200	120	-	-
YELLOW BASS	-	-	-	-	22,700	2,270
MUSSEL SHELLS	2,695,400	203,451	46,000	5,375	-	-
TURTLES:						
BABY	-	-	-	-	200	2,500
SLIDER	-	-	-	-	39,500	1,185
SNAPPER	-	-	-	-	4,000	600
TOTAL	5,271,800	651,590	272,300	41,812	1,341,700	167,471

TEXAS

OPERATING UNITS BY GEAR, 1969

ITEM	FYKE AND HOOP NETS, FISH	GILL NETS, ANCHOR, SET OR STAKE	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:					
REGULAR	21	68	14	51	71
CASUAL	36	151	19	158	216
TOTAL	57	219	33	209	287
BOATS, MOTOR	53	204	32	187	256
GEAR:					
NUMBER	273	563	75	586	-
SQUARE YARDS	-	122,400	15,000	-	-
HOOKS	-	-	-	44,500	-

TEXAS - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	FYKE AND HOOP NETS, FISH		GILL NETS, ANCHOR, SET OR STAKE	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	700	$35	-	-
BUFFALOFISH	53,000	7,520	640,900	$90,829
CARP	5,300	265	59,200	2,960
CATFISH AND BULLHEADS	7,900	3,160	85,600	34,240
GARFISH	400	27	45,700	2,917
QUILLBACK	-	-	5,700	285
SHEEPSHEAD	3,800	380	10,300	1,038
SUCKERS	-	-	26,700	1,335
TURTLES, SNAPPER	-	-	500	50
TOTAL	71,100	11,387	874,600	133,654

SPECIES	TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE
BUFFALOFISH	92,000	$13,270	1,700	$255
CARP	8,000	400	300	15
CATFISH AND BULLHEADS	38,300	15,320	100,500	40,200
GARFISH	6,600	396	2,500	150
SHEEPSHEAD	2,000	192	8,500	850
TURTLES, SNAPPER	1,000	100	-	-
TOTAL	147,900	29,678	113,500	41,470

TEXAS - LANDINGS BY WATERS, 1969

SPECIES	RED RIVER DRAINAGE AREA, UNCLASSIFIED		GULF OF MEXICO DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	700	$35	-	-
BUFFALOFISH	308,100	45,329	479,500	$66,545
CARP	30,000	1,500	42,800	2,140
CATFISH AND BULLHEADS	232,300	92,920	-	-
GARFISH	20,900	1,254	34,300	2,236
QUILLBACK	3,100	155	2,600	130
SHEEPSHEAD	22,600	2,240	2,000	220
SUCKERS	26,500	1,325	200	10
TURTLES, SNAPPER	-	-	1,500	150
TOTAL	644,200	144,758	562,900	71,431

UTAH

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	BRAIL OR SCOOP NETS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE:			
REGULAR	1	3	4
CASUAL	4	-	4
TOTAL	5	3	8
BOATS:			
MOTOR	3	-	3
OTHER	1	-	1
GEAR:			
NUMBER	3	3	-
LENGTH, YARDS	400	-	-

UTAH - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		BRAIL OR SCOOP NETS	
	POUNDS	VALUE	POUNDS	VALUE
CARP.	233,700	$6,010	-	-
MINNOWS	22,300	5,590	-	-
ARTEMIA (BRINE SHRIMP) EGGS	-	-	57,600	$24,998
TOTAL	256,000	11,600	57,600	24,998

NOTE:--THE COMMERCIAL FISHERIES WERE CONFINED TO THE PACIFIC OCEAN DRAINAGE AREA.

WEST VIRGINIA

THE COMMERCIAL FISHERIES OF WEST VIRGINIA WERE CONFINED TO THE OHIO RIVER DRAINAGE AREA. LANDINGS WERE 100 POUNDS OF BUFFALOFISH, VALUED AT $15; 500 POUNDS OF CARP, VALUED AT $50; AND 2,600 POUNDS OF CATFISH AND BULLHEADS VALUED AT $1,325. TWO CASUAL FISHERMEN EMPLOYING TWO MOTOR BOATS FISHED 30 FYKE AND HOOP NETS (FISH).

WISCONSIN

OPERATING UNITS BY GEAR, 1969

ITEM	HAUL SEINES, COMMON	OTTER TRAWLS, FISH	WEIRS	TRAP NETS	FYKE AND HOOP NETS, FISH	SLAT TRAPS	GILL NETS, ANCHOR, SET OR STAKE
FISHERMEN, ON BOATS AND SHORE:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
REGULAR.	60	4	6	17	35	22	56
CASUAL	102	-	2	6	14	30	84
TOTAL	162	4	8	23	49	52	140
BOATS:							
MOTOR	61	1	5	10	37	41	96
OTHER	46	-	-	1	1	-	1
GEAR:							
NUMBER.	59	1	3	96	1,031	1,318	93
LENGTH, YARDS	30,003	-	-	-	-	-	-
SQUARE YARDS.	-	-	-	-	-	-	88,114
YARDS AT MOUTH.	-	13	-	-	-	-	-

ITEM	TRAMMEL NETS	LINES, LONG OR SET WITH HOOKS	ELECTRICAL DEVICES	CROWFOOT BARS	DIVING OUTFITS	TOTAL, EXCLUSIVE OF DUPLICATION
FISHERMEN, ON BOATS AND SHORE:	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
REGULAR.	-	44	-	-	-	127
CASUAL	7	481	3	40	14	725
TOTAL	7	525	3	40	14	852
BOATS:						
MOTOR	6	413	1	40	14	609
OTHER	-	-	-	-	-	48
GEAR:						
NUMBER.	6	413	1	80	14	-
SQUARE YARDS.	967	-	-	-	-	-
HOOKS	-	117,118	-	-	-	-

MISSISSIPPI RIVER FISHERIES

WISCONSIN - LANDINGS OF CATCH BY GEAR, 1969

SPECIES	HAUL SEINES, COMMON		OTTER TRAWLS, FISH		WEIRS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	800	$24	-	-	-	-
BUFFALOFISH	420,300	63,628	-	-	1,100	$170
BURBOT	22,700	3,067	200	$27	-	-
CARP	4,352,100	150,058	23,400	842	272,700	9,818
CATFISH AND BULLHEADS	11,900	3,177	-	-	-	-
GARFISH	1,200	40	-	-	100	5
MOONEYE	300	10	-	-	-	-
QUILLBACK	9,200	230	-	-	-	-
SHEEPSHEAD	430,800	25,958	821,000	26,272	4,100	131
SUCKERS	26,300	1,079	-	-	200	10
UNCLASSIFIED, FOR FOOD	200	10	-	-	-	-
TURTLES:						
SNAPPER	300	46	-	-	-	-
UNCLASSIFIED	300	30	-	-	-	-
TOTAL	5,276,400	247,357	844,600	27,141	278,200	10,134

SPECIES	TRAP NETS		FYKE AND HOOP NETS, FISH		SLAT TRAPS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	1,900	$38	100	$1
BUFFALOFISH	-	-	148,100	19,257	1,600	210
BURBOT	4,700	$657	-	-	-	-
CARP	450,300	17,949	118,400	3,552	1,700	50
CATFISH AND BULLHEADS	23,900	2,390	119,700	30,968	63,400	17,137
EEL, COMMON	-	-	100	16	(1)	4
GARFISH	-	-	800	15	-	-
QUILLBACK	-	-	11,000	275	(1)	1
SHEEPSHEAD	205,600	6,580	61,500	3,996	300	22
STURGEON, SHOVELNOSE	-	-	100	15	(1)	6
SUCKERS	421,500	23,182	636,100	34,212	200	4
TURTLES, SNAPPER	-	-	1,900	302	100	7
TOTAL	1,106,000	50,758	1,099,600	92,646	67,400	17,442

SPECIES	GILL NETS, ANCHOR, SET OR STAKE		TRAMMEL NETS		LINES, LONG OR SET WITH HOOKS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	200	$4	-	-	5,100	$102
BUFFALOFISH	321,100	41,788	1,700	$216	4,000	521
CARP	1,015,700	30,571	6,700	200	54,900	1,647
CATFISH AND BULLHEADS	8,200	2,292	800	231	269,200	70,398
EEL, COMMON	(1)	1	-	-	200	44
GARFISH	3,400	69	200	4	1,700	34
MOONEYE	-	-	(1)	1	100	5
QUILLBACK	2,300	59	-	-	100	1
SHEEPSHEAD	40,500	2,635	1,200	78	39,000	2,534
STURGEON, SHOVELNOSE	(1)	2	-	-	500	107
SUCKERS	1,400	27	400	9	1,100	21
UNCLASSIFIED, FOR FOOD	100	5	-	-	-	-
TURTLES, SNAPPER	600	92	-	-	4,400	681
TOTAL	1,393,500	77,545	11,000	739	380,300	76,095

SPECIES	ELECTRICAL DEVICES		CROWFOOT BARS		DIVING OUTFITS	
	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CARP	1,000	$36	-	-	-	-
MUSSEL SHELLS	-	-	592,900	$32,525	197,700	$10,842
TOTAL	1,000	36	592,900	32,525	197,700	10,842

1/ LESS THAN 50 POUNDS.

WISCONSIN - LANDINGS BY WATER, 1969

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA			
	MISSISSIPPI RIVER PROPER		ILLINOIS RIVER DRAINAGE AREA	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	8,000	$159	-	-
BUFFALOFISH	593,900	77,205	80,700	$12,509
CARP	2,615,900	78,476	121,100	4,360
CATFISH AND BULLHEADS	473,000	124,183	-	-
EEL, COMMON	300	65	-	-
GARFISH	6,800	137	-	-
MOONEYE	400	16	-	-
QUILLBACK	22,600	566	-	-
SHEEPSHEAD	511,200	33,227	-	-
STURGEON, SHOVELNOSE	600	130	-	-
SUCKERS	34,900	698	100	5
UNCLASSIFIED, FOR FOOD	200	10	-	-
MUSSEL SHELLS	790,600	43,367	-	-
TURTLES:				
SNAPPER	7,300	1,128	-	-
UNCLASSIFIED	-	-	200	20
TOTAL	5,065,700	359,367	202,100	16,894

SPECIES	MISSISSIPPI RIVER DRAINAGE AREA - CONTINUED		NORTHERN DRAINAGE AREA	
	UNCLASSIFIED		UNCLASSIFIED	
	POUNDS	VALUE	POUNDS	VALUE
BOWFIN	-	-	100	$10
BUFFALOFISH	223,300	$36,076	-	-
BURBOT	-	-	27,600	3,751
CARP	2,566,200	92,960	993,700	38,927
CATFISH AND BULLHEADS	-	-	24,100	2,410
GARFISH	300	15	300	15
SHEEPSHEAD	4,200	141	1,088,600	34,838
SUCKERS	4,300	226	1,047,900	57,615
UNCLASSIFIED, FOR FOOD	100	5	-	-
TURTLES, UNCLASSIFIED	100	10	-	-
TOTAL	2,798,500	129,433	3,182,300	137,566

MISSISSIPPI RIVER FISHERIES

GREAT LAKES AND MISSISSIPPI RIVER LANDINGS, BY STATES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALABAMA	-	-	2,761	443	2,761	443
ARIZONA	-	-	16	4	16	4
ARKANSAS	-	-	5,811	987	5,811	987
COLORADO	-	-	6	(1)	6	(1)
IDAHO	-	-	1,188	57	1,188	57
ILLINOIS	747	122	6,501	691	7,248	813
INDIANA	204	42	513	99	717	141
IOWA	-	-	3,143	316	3,143	316
KANSAS	-	-	180	18	180	18
KENTUCKY	-	-	2,983	511	2,983	511
LOUISIANA	-	-	10,341	1,768	10,341	1,768
MICHIGAN	21,948	2,723	-	-	21,948	2,723
MINNESOTA	2,777	171	6,184	688	8,961	859
MISSISSIPPI	-	-	3,018	551	3,018	551
MISSOURI	-	-	858	141	858	141
MONTANA	-	-	835	119	835	119
NEBRASKA	-	-	355	20	355	20
NEW MEXICO	-	-	31	7	31	7
NEW YORK	561	104	-	-	561	104
NORTH DAKOTA	-	-	453	44	453	44
OHIO	9,541	1,223	649	55	10,190	1,278
OKLAHOMA	-	-	771	93	771	93
PENNSYLVANIA	497	58	-	-	497	58
SOUTH DAKOTA	-	-	3,107	286	3,107	286
TENNESSEE	-	-	6,886	861	6,886	861
TEXAS	-	-	1,207	216	1,207	216
UTAH	-	-	314	37	314	37
WEST VIRGINIA	-	-	3	1	3	1
WISCONSIN	32,261	1,617	11,249	643	43,510	2,260
TOTAL	68,536	6,060	69,363	8,656	137,899	14,716

MISSISSIPPI RIVER FISHERIES

GREAT LAKES AND MISSISSIPPI RIVER LANDINGS, BY SPECIES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	GREAT LAKES		MISSISSIPPI RIVER AND TRIBUTARIES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALEWIVES	29,248	332	-	-	29,248	332
BLUE PIKE	(1)	(1)	-	-	(1)	(1)
BOWFIN	2	(1)	176	8	178	8
BUFFALOFISH	33	8	16,622	2,172	16,655	2,180
BURBOT	312	12	52	5	364	17
CARP	6,507	266	16,781	665	23,288	931
CATFISH AND BULLHEADS	1,040	322	11,717	2,971	12,757	3,293
CHUBS	10,156	1,550	37	1	10,193	1,551
CRAPPIE	10	3	54	16	64	19
EEL, COMMON	38	10	1	(1)	39	10
GARFISH	-	-	1,000	65	1,000	65
GIZZARD SHAD	24	1	825	28	849	29
GOLDFISH	99	3	3	(1)	102	3
LAKE HERRING	2,321	296	-	-	2,321	296
LAKE TROUT	294	173	-	-	294	173
MINNOWS	-	-	23	6	23	6
MOONEYE OR GOLDEYE	(1)	(1)	495	153	495	153
PADDLEFISH	-	-	400	39	400	39
PIKE OR PICKEREL	102	10	22	3	124	13
QUILLBACK	28	1	316	15	344	16
ROCK BASS	14	4	-	-	14	4
SALMON:						
RED OR SOCKEYE	-	-	62	34	62	34
SILVER OR COHO	1,144	39	-	-	1,144	39
SAUGER	12	1	-	-	12	1
SHAD	-	-	745	26	745	26
SHEEPSHEAD	2,074	103	4,397	296	6,471	399
SMELT	3,614	116	-	-	3,614	116
STURGEON:						
COMMON	3	4	-	-	3	4
SHOVELNOSE	-	-	72	17	72	17
SUCKERS	1,242	40	2,035	82	3,277	122
SUNFISH	8	1	-	-	8	1
TULLIBEE	1,045	37	1	(1)	1,046	37
WHITE BASS	1,221	365	5	1	1,226	366
WHITEFISH:						
COMMON	2,360	1,421	24	9	2,384	1,430
MENOMINEE	178	39	-	-	178	39
WHITE PERCH	60	7	-	-	60	7
YELLOW BASS	-	-	23	2	23	2
YELLOW PERCH	4,926	678	506	137	5,432	815
YELLOW PIKE	421	218	657	230	1,078	448
UNCLASSIFIED, FOR FOOD	-	-	1	(1)	1	(1)
ARTEMIA (BRINE SHRIMP) EGGS	-	-	58	25	58	25
CRAWFISH	-	-	4,865	965	4,865	965
SHRIMP	-	-	2	1	2	1
MUSSEL SHELLS	-	-	7,106	565	7,106	565
TURTLES:						
BABY	-	-	4	39	4	39
SLIDER	-	-	86	3	86	3
SNAPPER	-	-	114	24	114	24
UNCLASSIFIED	-	-	1	(1)	1	(1)
FROGS	-	-	75	53	75	53
TOTAL	68,536	6,060	69,363	8,656	137,899	14,716

1/ LESS THAN 500 POUNDS OR $500.

SECTION 10 - HAWAII FISHERIES

Landings of commercially caught fish and shellfish in the State of Hawaii were 9.5 million pounds--3.4 million less than in 1968. The value of $3.5 million remained about the same as in the previous year. A sharp decline in skipjack tuna landings was the principal reason for the smaller catch. Landings of bigeye scad, striped marlin, and jack mackerel also declined.

The catch of all tuna species except skipjack increased slightly compared with 1968. Total tuna landings of 7.1 million pounds worth $2.2 million were 75 percent of the volume and 63 percent of the value of the Hawaii landings.

Landings of skipjack tuna, Hawaii's most important commercial fishery, reached a record 16.2 million pounds in 1965 but since that year have trended downward. The 1969 harvest of 6.0 million pounds was 3.4 million less than in 1968 and the smallest catch since 1947. Scientists' predictions for the next year were not hopeful; however, according to BCF biologists, the central Pacific Ocean holds a large, underutilized resource of skipjack tuna. In an effort to locate this resource the BCF research vessel, Charles H. Gilbert cruised the central Pacific, testing modifications of a scientific device designed to help locate schools of skipjack. The device was a longline especially designed to catch the subsurface skipjack at about 115 to 500 feet beneath the surface--unlike the usual commercial gear that fishes at a depth of 450 to 700 feet. Another major research effort was to collect more information on the time and space distribution of larval, juvenile, and adult skipjack tuna in the tropical central Pacific Ocean. A series of oceanographic and biological data were collected from stations that were located from lat. 12° N. to lat. 4° S. and along long. 145° W.

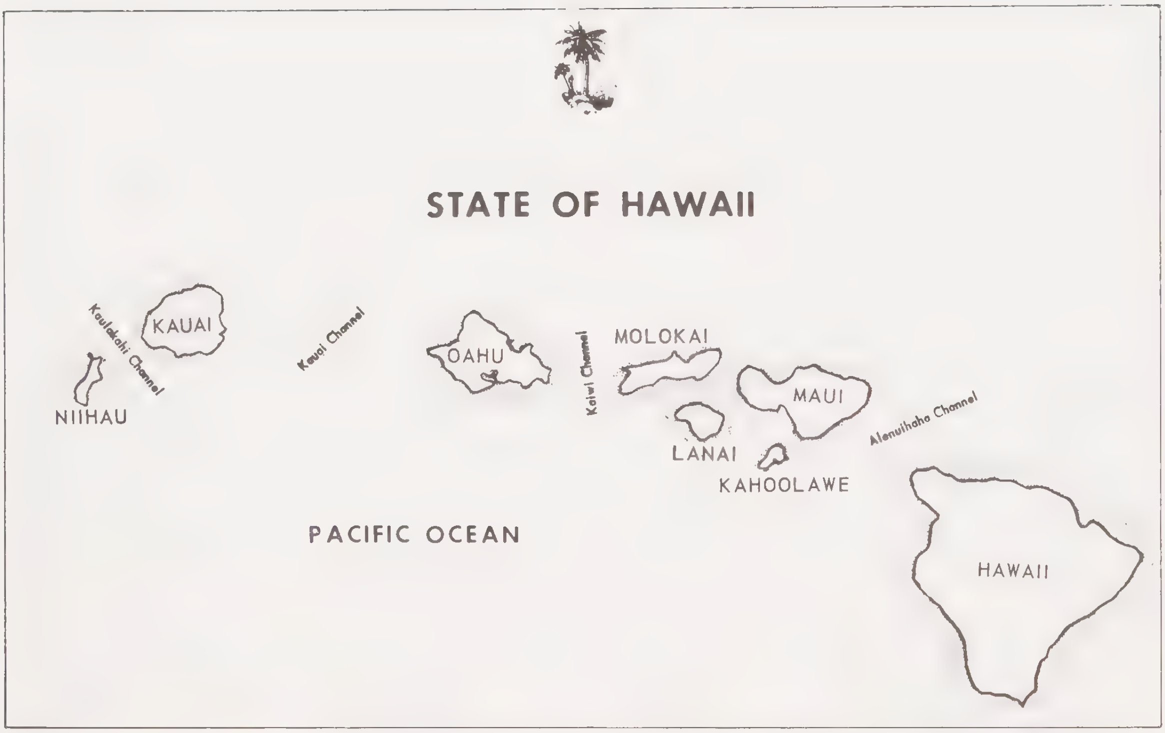
In addition to these and similar experiments the State, the tuna industry, and the BCF made other investigations directed toward pinpointing the location of skipjack tuna. Success in finding concentrations of skipjack tuna on the high seas could lead to a development of new tuna fleet boats based in Hawaii.

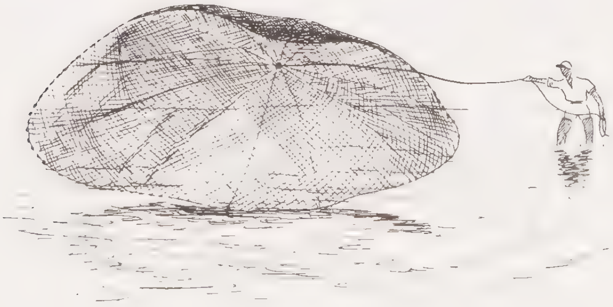
Fishery products were landed at six of the eight principal islands that form the State of Hawaii. Oahu led the islands with a production of 7.9 million pounds. The Island of Maui was next with 724,300 pounds, followed by Hawaii with 722,800 pounds. The rest of the landings were made at Kauai, Lanai, and Molokai. In 1969, the landings were taken by 1,338 fishermen who operated 61 vessels of 5 net tons or more, 599 motor boats, and 32 other boats.

The data in this section were assembled and prepared for publication by the BCF's area office, Honolulu, Hawaii, largely from information collected by the Hawaii Department of Land and Natural Resources, Division of Fish and Game.

The following tables contain summarized and detailed information on the 1969 operating units and landings by islands of the State of Hawaii. Condensed summary data on the operating units and landings of Hawaii, appearing in the following pages, have been published previously in Current Fishery Statistics No. 5475.

HAWAII FISHERIES


STATE OF HAWAII
KAUAI
Kaulakahi Channel
NIIHAU
Kauai Channel
OAHU
Kaiwi Channel
MOLOKAI
MAUI
LANAI
KAHOOLAWE
Alenuihaha Channel
HAWAII
PACIFIC OCEAN



Cast net

HAWAII FISHERIES

SECTIONAL SUMMARIES

SUMMARY OF LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

ISLAND	FISH		SHELLFISH, ETC.		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAWAII	714	267	9	14	723	281
MOLOKAI	6	3	2	4	8	8
OAHU	7,723	2,816	131	90	7,855	2,906
KAUAI	217	90	4	3	221	93
MAUI	713	179	12	10	724	190
LANAI	12	5	(1)	(1)	12	5
TOTAL	9,385	3,362	158	121	9,543	3,483

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--TABLE MAY NOT ADD DUE TO ROUNDING.

SUMMARY OF OPERATING UNITS, 1969

ITEM	TOTAL
	NUMBER
FISHERMEN:	
ON VESSELS	315
ON BOATS AND SHORE	1,023
TOTAL	1,338
VESSELS, MOTOR	61
GROSS TONNAGE	1,923
BOATS:	
MOTOR	599
OTHER	32

NOTE:--DATA ARE NOT AVAILABLE ON THE NUMBER AND SIZE OF GEAR USED IN THE HAWAII FISHERIES. THERE WERE 36 FISHERY WHOLESALING AND PROCESSING ESTABLISHMENTS IN THE STATE OF HAWAII IN 1969. PEAK EMPLOYMENT IN THESE PLANTS TOTALED 416 PERSONS.

HAWAII - LANDINGS BY SPECIES, 1969

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
OCEAN CATCH: FISH			
AMBERJACK	KAHALA	69,959	$26,092
BARRACUDA	KAKU	2,711	648
BARRACUDA, JAPANESE	KAWELEA	2,683	1,204
BIGEYE SCAD	AKULE	744,065	315,094
BONEFISH	OIO	20,744	5,684
CREVALLE:			
	OMAKA	2,302	1,814
BLUE	ULUA OMILU	5,873	4,534
JACK	ULUA	92,103	48,056
DAMSELFISH	KUPIPI	1,758	714
DOLPHIN	MAHIMAHI	51,802	53,603
EELS:			
CONGER	PUHI	1,594	190
MORAY	PUHI	5,580	450
GOATFISHES:			
	KUMU	8,681	12,478
	MALU	763	461
	MOANO	11,581	7,705
	MOELUA	6,981	4,035
	WEKE	36,212	14,321
	WEKE-ULA	12,882	10,587
MACKEREL, JACK	OPELU	210,416	103,944
MARLIN:			
BLACK	A'U	134,846	57,709
SAILFISH	A'U LEPE	6,178	2,540
SHORTBILL	A'U	9,276	2,360
SILVER	A'U	1,504	940
STRIPED	A'U	314,654	202,313
UNCLASSIFIED	A'U	243	133

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS BY SPECIES, 1969 - Continued

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
OCEAN CATCH CONTINUED:	FISH - CONTINUED		
MILKFISH	AWA	18,411	$5,664
MOUNTAIN BASS	AHOLEHOLE	2,569	1,772
MULLET	AMAAMA	17,371	19,805
PARROT FISH	UHU	6,284	2,536
RED BIGEYE	AWEOWEO	2,223	932
RUDDERFISH	NENUE	9,230	3,589
RUNNER	LAE	489	137
SARDINE	MAKIAWA	600	150
SEA BASS, BLACK	HAPUUPUU	20,665	12,940
SNAPPERS:			
GRAY	UKU	56,392	29,414
PINK	KALIKALI	5,636	5,535
PINK	OPAKAPAKA	85,126	59,567
RED	ULAULA OR EHU	16,321	18,562
RED	ULAULA KOAE	48,203	68,596
SPOT	A'AWA	681	114
SQUIRRELFISH	UU	14,763	11,686
SURGEON FISH:			
	KALA	31,245	5,858
	MAIKO	2,412	442
	PALANI	15,306	3,707
	PUALU	17,380	3,912
SWORDFISH, BROADBILL	A'U	13,829	2,565
TANG:			
CONVICT	MANINI	11,401	7,332
ORANGE SPOT	NAENAE	754	110
TENPOUNDER	AWAAWA	1,814	464
THREADFIN	MOI	10,310	10,030
TILAPIA		2	(1)
TRIGGERFISH	HUMUHUMU	2,593	1,041
TUNA:			
ALBACORE	AHIPALAHA	27,348	12,363
BIGEYE AND BLUEFIN	AHI	709,762	673,462
LITTLE	KAWAKAWA	36,628	10,068
SKIPJACK	AKU	5,953,880	1,244,865
YELLOWFIN	AHI	412,494	236,293
TOTAL TUNA		7,140,112	2,177,051
WAHOO	ONO	29,026	9,251
UNCLASSIFIED		29,147	11,219
TOTAL FISH		9,365,686	3,351,590
	SHELLFISH, ETC.		
CRABS:			
	KONA	35,248	42,037
	KUAHONU	18,841	21,064
	MOALA	89	45
	PAPAI	3,271	1,604
	SAMOAN	395	472
LIMPET	OPIHI	4,235	17,728
LOBSTERS:			
SLIPPER	ULAPAPAPA	176	189
SPINY	ULA	8,374	9,790
OCTOPUS	HEE	4,926	3,641
SEAWEED	LIMU	70,287	17,889
SHRIMP	OPAE	680	1,095
SQUID	MUHEE	2,619	1,789
TREPANG (SEA CUCUMBER)		798	849
TURTLE	HONU	7,202	2,821
TOTAL SHELLFISH, ETC.		157,141	121,013
TOTAL OCEAN CATCH		9,522,827	3,472,603
POND CATCH: 2/			
	FISH		
BARRACUDA	KAKU	422	329
BONEFISH	OIO	3,547	1,345
CREVALLE, JACK	ULUA	548	480
GOATFISH	WEKE	12	5
MILKFISH	AWA	12,066	6,026

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

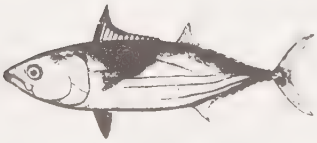
HAWAII - LANDINGS BY SPECIES, 1969 - Continued

SPECIES		TOTAL	
ENGLISH	HAWAIIAN	POUNDS	VALUE
POND CATCH 2/ CONTINUED:	FISH - CONTINUED		
MOUNTAIN BASS	AHOLEHOLE	39	$14
MULLET	AMAAMA	1,179	1,241
RUNNER	LAE	404	86
TENPOUNDER	AWAAWA	399	138
THREADFIN	MOI	41	43
UNCLASSIFIED		608	297
TOTAL FISH		19,265	10,004
SHELLFISH			
CRABS:			
	KUAHONU	389	296
	MOALA	45	18
	SAMOAN	257	196
TOTAL SHELLFISH		691	510
TOTAL POND CATCH		19,956	10,514
GRAND TOTAL		9,542,783	3,483,117

1/ LESS THAN 50 CENTS.

2/ SALT-WATER.

NOTE:--STATISTICS ON THE LANDINGS OF FISH, CRUSTACEANS, AND SUCH MOLLUSKS AS SQUID AND OCTOPUS ARE SHOWN IN ROUND (LIVE) WEIGHT. DATA ON UNIVALVE MOLLUSKS (LIMPETS) REPRESENT THE WEIGHT OF MEATS EXCLUDING THE SHELL. THE WEIGHT OF MEATS FOR LIMPETS IS BASED ON A YIELD OF 20 PERCENT.



SKIPJACK TUNA

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1969

ITEM	HAWAII						
				LINES			
	HAUL SEINES	POTS AND TRAPS	GILL NETS	HAND	POLE AND LINE	TROLL	LONG OR SET WITH HOOKS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	-	-	1	11	1	2
ON BOATS AND SHORE. . . .	1	1	1	108	1	74	11
TOTAL	1	1	1	109	12	75	13
VESSELS, MOTOR.	-	-	-	1	1	1	1
GROSS TONNAGE	-	-	-	11	51	11	19
BOATS:							
MOTOR	1	1	-	86	1	60	3
OTHER	-	-	-	16	-	1	-

ITEM	HAWAII - CONTINUED					
	LIFT NETS	CAST NETS	BY HAND	SPEARS	POND 1/	MISCEL-LANEOUS GEAR
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE.	6	3	12	1	3	3
BOATS, MOTOR.	5	-	-	1	-	2

ITEM	HAWAII - CONTINUED			MOLOKAI		
						LINES
	NETS, UNCLAS-SIFIED	UNKNOWN	TOTAL, EX-CLUSIVE OF DUPLI-CATION	POTS AND TRAPS	GILL NETS	HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	14	-	-	-
ON BOATS AND SHORE. . . .	16	10	206	1	9	2
TOTAL	16	10	220	1	9	2
VESSELS, MOTOR.	-	-	3	-	-	-
GROSS TONNAGE	-	-	81	-	-	-
BOATS:						
MOTOR	8	2	133	1	4	2
OTHER	3	1	19	-	-	-

ITEM	MOLOKAI - CONTINUED					
	LINES - CONTINUED					
	TROLL	BY HAND	SPEARS	POND 1/	MISCEL-LANEOUS GEAR	NETS, UNCLAS-SIFIED
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE.	1	1	1	4	1	7
BOATS, MOTOR.	1	-	1	-	1	3

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1969 - Continued

ITEM	MOLOKAI - CONTINUED		OAHU			
						LINES
	UNKNOWN	TOTAL, EXCLUSIVE OF DUPLICATION	BAG NETS	POTS AND TRAPS	GILL NETS	HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	47	-	47	19
ON BOATS AND SHORE. . . .	2	26	1	59	89	263
TOTAL	2	26	48	59	136	282
VESSELS, MOTOR.	-	-	5	-	5	11
GROSS TONNAGE	-	-	134	-	134	240
BOATS:						
MOTOR	-	10	-	28	50	185
OTHER	-	-	-	-	10	-

ITEM	OAHU - CONTINUED					
	LINES - CONTINUED					
	POLE AND LINE	TROLL	LONG OR SET WITH HOOKS	LIFT NETS	CAST NETS	BY HAND
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	118	26	73	2	-	-
ON BOATS AND SHORE. . . .	13	40	5	8	13	1
TOTAL	131	66	78	10	13	1
VESSELS, MOTOR.	12	15	19	1	-	-
GROSS TONNAGE	585	370	505	18	-	-
BOATS, MOTOR.	28	31	4	6	4	-

ITEM	OAHU - CONTINUED					
	SPEARS	POND 1/	MISCELLANEOUS GEAR	NETS, UNCLASSIFIED	UNKNOWN	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	-	-	-	268
ON BOATS AND SHORE. . . .	13	3	28	68	29	495
TOTAL	13	3	28	68	29	763
VESSELS, MOTOR.	-	-	-	-	-	54
GROSS TONNAGE	-	-	-	-	-	1,689
BOATS:						
MOTOR	2	1	11	31	2	292
OTHER	-	1	-	-	-	4

ITEM	KAUAI					
			LINES			
	BAG NETS	GILL NETS	HAND	POLE AND LINE	TROLL	LIFT NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	9	-	-	9	-	-
ON BOATS AND SHORE. . . .	-	17	39	-	22	2
TOTAL	9	17	39	9	22	2
VESSELS, MOTOR.	1	-	-	1	-	-
GROSS TONNAGE	31	-	-	31	-	-
BOATS:						
MOTOR	-	13	35	-	21	2
OTHER	-	2	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - OPERATING UNITS BY ISLAND AND GEAR, 1969 - Continued

ITEM	KAUAI - CONTINUED					MAUI
	CAST NETS	BY HAND	NETS, UNCLASSIFIED	UNKNOWN	TOTAL, EXCLUSIVE OF DUPLICATION	BAG NETS
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	-	-	9	-
ON BOATS AND SHORE. . . .	4	1	6	5	72	1
TOTAL	4	1	6	5	81	1
VESSELS, MOTOR.	-	-	-	-	1	-
GROSS TONNAGE	-	-	-	-	31	-
BOATS:						
MOTOR	2	1	2	-	53	1
OTHER	1	-	-	-	3	-

ITEM	MAUI - CONTINUED					
	POTS AND TRAPS	GILL NETS	LINES			LIFT NETS
			HAND	POLE AND LINE	TROLL	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	1	23	1	-
ON BOATS AND SHORE. . . .	9	8	113	-	12	4
TOTAL	9	8	114	23	13	4
VESSELS, MOTOR.	-	-	1	2	1	-
GROSS TONNAGE	-	-	17	105	17	-
BOATS:						
MOTOR	4	5	78	3	4	4
OTHER	1	-	2	-	-	-

ITEM	MAUI - CONTINUED					
	BY HAND	SPEARS	MISCELLANEOUS GEAR	NETS, UNCLASSIFIED	UNKNOWN	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	-	-	-	-	-	24
ON BOATS AND SHORE. . . .	11	13	8	78	7	209
TOTAL	11	13	8	78	7	233
VESSELS, MOTOR.	-	-	-	-	-	3
GROSS TONNAGE	-	-	-	-	-	122
BOATS:						
MOTOR	-	5	4	22	-	100
OTHER	-	-	-	5	-	5

ITEM	LANAI					
	GILL NETS	LINES			NETS, UNCLASSIFIED	TOTAL, EXCLUSIVE OF DUPLICATION
		HAND	POLE AND LINE	TROLL		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE.	2	9	1	7	2	15
BOATS:						
MOTOR	1	8	-	6	1	11
OTHER	1	-	-	-	-	1

1/ SEINES, MISCELLANEOUS NETS, AND BY HAND.

NOTE:--DATA ARE INCOMPLETE, NUMBER AND QUANTITY OF GEAR NOT AVAILABLE.

HAWAII - LANDINGS BY ISLANDS, 1969

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH:	FISH						
AMBERJACK	KAHALA.	12,625	$3,821	32	$13	38,454	$15,230
BARRACUDA	KAKU.	462	125	-	-	1,985	446
BARRACUDA, JAPANESE .	KAWELEA	2,155	950	-	-	388	213
BIGEYE SCAD	AKULE	29,687	17,852	1,510	756	526,043	227,802
BONEFISH.	OIO	1,105	307	74	18	14,388	4,232
CREVALLE:							
	OMAKA	2	1	-	-	2,300	1,813
BLUE.	ULUA OMILU.	-	-	8	8	5,758	4,485
JACK.	ULUA.	6,408	2,459	716	480	74,761	40,251
DAMSELFISH.	KUPIPI.	35	22	-	-	1,649	653
DOLPHIN	MAHIMAHI.	7,290	5,502	-	-	41,969	46,968
EELS:							
CONGER.	PUHI.	26	11	-	-	1,568	179
MORAY	PUHI.	-	-	-	-	5,580	450
GOATFISHES:							
	KUMU.	76	84	163	261	7,676	11,349
	MALU.	-	-	-	-	753	457
	MOANO	287	225	-	-	11,232	7,439
	WEKE.	242	145	1,904	686	25,637	9,719
	WEKE-ULA.	605	414	10	3	11,155	9,487
MACKEREL, JACK. . . .	OPELU	94,679	44,040	-	-	77,559	45,539
MARLIN:							
BLACK	A'U	45,975	12,569	-	-	87,397	44,985
SAILFISH.	A'U LEPE.	802	378	-	-	5,320	2,106
SHORTBILL	A'U	131	56	-	-	9,145	2,304
SILVER.	A'U	-	-	-	-	1,504	940
STRIPED	A'U	23,402	12,762	-	-	291,085	189,524
UNCLASSIFIED.	A'U	116	58	-	-	127	75
MILKFISH.	AWA	174	31	25	9	14,287	4,480
MOUNTAIN BASS	AHOLEHOLE	324	241	30	27	1,409	963
MULLET.	AMAAMA.	496	537	372	391	11,935	14,261
PARROT FISH	UHU	361	144	152	30	5,284	2,185
RED BIGEYE.	AWEOWEO	977	434	41	17	438	172
RUDDERFISH.	NENUE	309	157	69	28	7,546	2,795
RUNNER.	LAE	-	-	18	4	108	21
SEA BASS, BLACK . . .	HAPUUPUU.	548	312	8	6	16,707	11,243
SNAPPERS:							
GRAY.	UKU	3,368	1,561	-	-	38,531	21,014
PINK.	KALIKALI.	417	313	7	4	5,150	5,190
PINK.	OPAKAPAKA	7,121	4,695	116	104	31,292	27,661
RED	ULAULA OR EHU	1,675	1,508	4	4	13,486	16,358
RED	ULAULA KOAE	3,256	3,050	-	-	42,555	63,948
SPOT.	A'AWA	262	36	-	-	316	55
SQUIRRELFISH.	UU.	6,869	4,856	115	113	5,582	4,958
SURGEON FISH:							
	KALA.	80	12	20	4	29,276	5,384
	MAIKO	617	297	-	-	1,786	141
	PALANI.	34	5	111	28	14,805	3,571
	PUALU	4	1	-	-	17,261	3,877
SWORDFISH, BROADBILL.	A'U	92	26	-	-	13,737	2,539
TANG:							
CONVICT	MANINI.	3,619	1,974	51	23	5,829	4,214
ORANGE SPOT	NAENAE.	8	2	-	-	746	108
TENPOUNDER.	AWAAWA.	-	-	24	7	1,764	450
THREADFIN	MOI	797	766	83	89	1,134	1,424
TILAPIA	. . . .	2	(1)	-	-	-	-
TRIGGERFISH	HUMUHUMU.	565	123	-	-	2,028	918
TUNA:							
ALBACORE.	AHIPALAHA	512	343	-	-	26,836	12,020
BIGEYE AND BLUEFIN.	AHI	58,029	52,852	-	-	651,733	620,610
LITTLE.	KAWAKAWA.	689	240	-	-	32,937	8,810
SKIPJACK.	AKU	270,867	29,265	-	-	5,148,472	1,117,322
YELLOWFIN	AHI	109,520	55,558	-	-	289,319	174,773
TOTAL TUNA. . . .	. . . .	439,617	138,258	-	-	6,149,297	1,933,535
WAHOO	ONO	11,238	3,912	-	-	11,416	3,131
UNCLASSIFIED.	. . . .	4,677	2,040	3	1	17,331	5,476
TOTAL FISH. . . .	. . . .	713,617	267,072	5,666	3,114	7,704,469	2,806,718

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS BY ISLANDS, 1969 - Continued

SPECIES		HAWAII		MOLOKAI		OAHU	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH CONTINUED:	SHELLFISH, ETC.						
CRABS:							
	KONA	2,717	$2,268	-	-	29,224	$37,813
	KUAHONU	-	-	19	$15	18,708	20,967
	MOALA	-	-	2	2	87	43
	PAPAI	2,512	1,256	10	10	749	338
	SAMOAN	-	-	6	8	389	464
LIMPET 2/	OPIHI	1,915	8,966	1,027	3,655	-	-
LOBSTERS:							
SLIPPER	ULAPAPAPA	-	-	-	-	176	189
SPINY	ULA	196	166	3	4	8,119	9,575
OCTOPUS	HEE	129	133	632	430	2,217	1,674
SEAWEED	LIMU	-	-	-	-	69,930	17,233
SHRIMP	OPAE	37	37	-	-	177	336
SQUID	MUHEE	1,527	971	-	-	-	-
TREPANG (SEA CUCUMBER)		139	139	-	-	659	710
TURTLE	HONU	-	-	-	-	348	35
TOTAL SHELLFISH, ETC.		9,172	13,936	1,699	4,124	130,783	89,377
TOTAL OCEAN CATCH		722,789	281,008	7,365	7,238	7,835,252	2,896,095
POND CATCH: 3/	FISH						
BARRACUDA	KAKU	-	-	101	50	321	279
BONEFISH	OIO	-	-	39	10	3,508	1,335
CREVALLE, JACK	ULUA	-	-	137	104	411	376
GOATFISH	WEKE	-	-	12	5	-	-
MILKFISH	AWA	-	-	-	-	12,066	6,026
MOUNTAIN BASS	AHOLEHOLE	-	-	-	-	39	14
MULLET	AMAAMA	12	10	160	208	1,007	1,023
RUNNER	LAE	-	-	3	1	401	85
TENPOUNDER	AWAAWA	-	-	-	-	399	138
THREADFIN	MOI	-	-	-	-	41	43
UNCLASSIFIED		-	-	-	-	608	297
TOTAL FISH		12	10	452	378	18,801	9,616
	SHELLFISH						
CRABS:							
	KUAHONU	-	-	-	-	389	296
	MOALA	-	-	-	-	45	18
	SAMOAN	-	-	-	-	257	196
TOTAL SHELLFISH		-	-	-	-	691	510
TOTAL POND CATCH		12	10	452	378	19,492	10,126
GRAND TOTAL		722,801	281,018	7,817	7,616	7,854,744	2,906,221

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
	FISH						
OCEAN CATCH:							
AMBERJACK	KAHALA	15,873	6,284	2,975	744	-	-
BARRACUDA	KAKU	196	51	44	14	24	12
BARRACUDA, JAPANESE	KAWELEA	43	14	97	27	-	-
BIGEYE SCAD	AKULE	127,728	47,426	56,828	19,902	2,269	1,356
BONEFISH	OIO	4,306	878	851	245	20	4
CREVALLE:							
BLUE	ULUA OMILU	75	30	32	11	-	-
JACK	ULUA	3,456	1,183	6,553	3,566	209	117
DAMSELFISH	KUPIPI	47	24	-	-	27	15
DOLPHIN	MAHIMAHI	1,508	612	1,014	514	21	7
GOATFISHES:							
	KUMU	198	293	568	491	-	-
	MALU	10	4	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS BY ISLANDS, 1969 - Continued

SPECIES		KAUAI		MAUI		LANAI	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
OCEAN CATCH CONTINUED:	FISH - CONTINUED						
GOATFISHES - CONTINUED:							
	MOANO	2	$2	50	$33	10	$6
	MOELUA	-	-	6,955	4,019	26	16
	WEKE	6,212	2,831	2,217	940	-	-
	WEKE-ULA	1,112	683	-	-	-	-
MACKEREL, JACK	OPELU	1,722	681	35,280	13,074	1,176	610
MARLIN:							
BLACK	A'U	1,270	124	204	31	-	-
SAILFISH	A'U LEPE	-	-	56	56	-	-
STRIPED	A'U	167	27	-	-	-	-
MILKFISH	AWA	126	38	3,796	1,104	3	2
MOUNTAIN BASS	AHOLEHOLE	359	222	447	319	-	-
MULLET	AMAAMA	4,394	4,481	174	135	-	-
PARROT FISH	UHU	315	125	172	52	-	-
RED BIGEYE	AWEOWEO	188	88	579	221	-	-
RUDDERFISH	NENUE	636	313	665	294	5	2
RUNNER	LAE	26	6	337	106	-	-
SARDINE	MAKIAWA	600	150	-	-	-	-
SEA BASS, BLACK	HAPUUPUU	1,569	617	1,833	762	-	-
SNAPPERS:							
GRAY	UKU	9,872	4,287	4,288	2,352	333	200
PINK	KALIKALI	-	-	62	28	-	-
PINK	OPAKAPAKA	420	184	45,960	26,814	217	109
RED	ULAULA OR EHU	448	275	708	417	-	-
RED	ULAULA KOAE	100	60	2,292	1,538	-	-
SPOT	A'AWA	-	-	103	23	-	-
SQUIRRELFISH	UU	1,428	1,221	288	226	481	312
SURGEON FISH:							
	KALA	432	130	1,437	328	-	-
	MAIKO	-	-	9	4	-	-
	PALANI	32	9	324	94	-	-
	PUALU	-	-	115	34	-	-
TANG, CONVICT	MANINI	1,446	802	216	168	240	151
TENPOUNDER	AWAAWA	-	-	26	7	-	-
THREADFIN	MOI	7,058	6,809	1,203	914	35	28
TUNA:							
LITTLE	KAWAKAWA	1,021	328	221	87	1,760	603
SKIPJACK	AKU	4,468	1,293	524,935	95,306	5,138	1,679
YELLOWFIN	AHI	13,361	5,822	251	125	43	15
TOTAL TUNA		18,850	7,443	525,407	95,518	6,941	2,297
WAHOO	ONO	4,638	1,460	1,691	726	43	22
UNCLASSIFIED		343	165	6,758	3,522	35	15
TOTAL FISH		217,205	90,032	712,614	179,373	12,115	5,281
SHELLFISH, ETC.							
CRABS:							
	KONA	1,227	814	2,080	1,142	-	-
	KUAHONU	90	66	24	16	-	-
LIMPET 2/	OPIHI	39	161	1,254	4,946	-	-
LOBSTERS, SPINY	ULA	2	2	54	43	-	-
OCTOPUS	HEE	809	688	929	591	210	125
SEAWEED	LIMU	312	611	45	45	-	-
SHRIMP	OPAE	-	-	466	722	-	-
SQUID	MUHEE	1,086	814	6	4	-	-
TURTLE	HONU	-	-	6,854	2,786	-	-
TOTAL SHELLFISH, ETC.		3,565	3,156	11,712	10,295	210	125
TOTAL OCEAN CATCH		220,770	93,188	724,326	189,668	12,325	5,406
GRAND TOTAL		220,770	93,188	724,326	189,668	12,325	5,406

1/ LESS THAN 50 CENTS.

2/ THE WEIGHT OF MEAT FOR LIMPETS IS BASED ON YIELD OF 20 PERCENT.

3/ SALT-WATER.

HAWAII - LANDINGS OF CATCH BY GEAR, 1969

SPECIES		HAUL SEINES		BAG NETS	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA.	328	$141	62	$27
BARRACUDA	KAKU.	20	5	-	-
BARRACUDA, JAPANESE . .	KAWELEA	15	4	-	-
BIGEYE SCAD	AKULE	15,800	6,483	528,654	199,789
BONEFISH.	OIO	2,443	753	14,225	3,527
CREVALLE:					
	OMAKA	-	-	44	37
BLUE.	ULUA OMILU.	32	11	-	-
JACK..	ULUA.	10,817	8,031	10,944	9,392
DAMSELFISH.	KUPIPI.	378	195	-	-
GOATFISHES:					
	KUMU.	266	449	11	17
	MALU.	3	2	-	-
	MOANO	22	21	-	-
	WEKE.	3,468	1,805	1,112	366
	WEKE-ULA.	-	-	370	268
MACKEREL, JACK.	OPELU	1,842	650	-	-
MILKFISH.	AWA	2,765	867	2,918	689
MOUNTAIN BASS	AHOLEHOLE	-	-	663	318
MULLET.	AMAAMA.	1,265	1,506	-	-
PARROT FISH	UHU	2,618	1,122	53	42
RED BIGEYE.	AWEOWEO	12	5	-	-
RUDDERFISH.	NENUE	6,136	2,231	1,150	419
RUNNER.	LAE	137	34	-	-
SNAPPER, GRAY	UKU	776	354	-	-
SPOT.	A'AWA	25	9	52	19
SQUIRRELFISH.	UU.	115	119	-	-
SURGEON FISH:					
	KALA.	18,714	3,644	5,340	1,129
	MAIKO	1,635	116	151	24
	PALANI.	5,003	1,117	835	360
	PUALU	14,064	2,950	1,258	467
TANG, CONVICT	MANINI.	2,731	2,288	117	102
TENPOUNDER.	AWAAWA.	-	-	1,017	205
THREADFIN	MOI	-	-	5,243	5,328
TRIGGERFISH	HUMUHUMU.	14	8	-	-
UNCLASSIFIED FISH . . .	. . . .	741	361	8	6
CRAB.	KUAHONU	2,721	3,198	-	-
TOTAL	. . . .	94,906	38,479	574,227	222,531

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA.	1,013	$375	-	-	68,520	$25,539
BARRACUDA	KAKU.	16	12	27	$18	1,290	393
BARRACUDA, JAPANESE . .	KAWELEA	-	-	26	9	2,642	1,191
BIGEYE SCAD	AKULE	-	-	23,825	10,709	175,758	98,095
BONEFISH.	OIO	-	-	917	283	3,147	1,118
CREVALLE:							
	OMAKA	-	-	1,181	891	1,077	886
BLUE.	ULUA OMILU.	655	357	37	35	5,149	4,131
JACK.	ULUA.	4,210	2,384	1,923	1,321	62,051	26,053
DAMSELFISH.	KUPIPI.	1,130	382	114	57	126	74
DOLPHIN	MAHIMAHI.	-	-	-	-	19,073	19,053
EELS:							
CONGER.	PUHI.	1,556	178	-	-	38	12
MORAY	PUHI.	5,472	439	4	1	4	(1)
GOATFISHES:							
	KUMU.	5,900	8,719	1,342	1,678	575	853
	MALU.	746	454	-	-	14	5
	MOANO	10,842	7,203	9	6	694	465
	MOELUA.	-	-	-	-	6,971	4,030
	WEKE.	11,011	3,453	14,834	6,135	484	284
	WEKE-ULA.	4,443	3,066	16	5	8,053	7,248
MACKEREL, JACK.	OPELU	-	-	-	-	126,853	67,902
MARLIN:							
BLACK	A'U	-	-	-	-	2,351	1,011
BROADBILL	A'U	-	-	-	-	92	26
SAILFISH.	A'U LEPE.	-	-	-	-	220	123
STRIPED	A'U	-	-	-	-	1,023	531
UNCLASSIFIED.	. . . .	-	-	-	-	243	133
MILKFISH.	AWA	3	2	11,995	3,906	682	185
MOUNTAIN BASS	AHOLEHOLE	4	4	1,308	1,004	125	66
MULLET.	AMAAMA.	3	4	15,394	17,575	254	298

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES		POTS AND TRAPS		GILL NETS, ANCHOR, SET OR STAKE		LINES	
						HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
PARROT FISH	UHU	426	$163	1,724	$672	12	$6
RED BIGEYE	AWEOWEO	130	42	665	259	1,325	599
RUDDERFISH	NENUE	45	19	538	235	298	127
RUNNER	LAE	2	(1)	298	87	37	12
SEA BASS, BLACK	HAPUUPUU	8	8	-	-	20,657	12,932
SNAPPER:							
GRAY	UKU	474	237	16	6	55,126	28,817
PINK	KALIKALI	-	-	51	23	5,585	5,512
PINK	OPAKAPAKA	126	70	-	-	85,000	59,497
RED	ULAULA OR EHU	-	-	-	-	16,321	18,562
RED	ULAULA KOAE	-	-	-	-	48,203	68,596
SPOT	A'AWA	40	5	49	7	509	73
SQUIRRELFISH	UU	1,034	755	1,582	1,529	10,643	8,075
SURGEON FISH:							
	KALA	2,198	89	3.827	740	82	11
	MAIKO	-	-	56	25	-	-
	PALANI	7,644	1,765	1,392	360	94	23
	PUALU	247	43	1,621	400	152	38
TANG:							
CONVICT	MANINI	2,179	1,341	477	322	-	-
ORANGE SPOT	NAENAE	746	108	-	-	-	-
TENPOUNDER	AWAAWA	-	-	211	61	586	198
THREADFIN	MOI	-	-	4,080	3,861	284	230
TILAPIA		-	-	-	-	2	(1)
TRIGGERFISH	HUMUHUMU	1,996	908	-	-	581	125
TUNA:							
LITTLE	KAWAKAWA	-	-	-	-	33,969	9,172
SKIPJACK	AKU	-	-	-	-	5,942,943	1,241,298
YELLOWFIN	AHI	-	-	-	-	150,637	40,466
WAHOO	ONO	-	-	-	-	10,302	3,346
UNCLASSIFIED FISH		3,269	1,426	620	284	19,257	8,127
CRABS:							
	KONA	23	27	-	-	-	-
	KUAHONU	1,808	1,968	6,893	7,752	-	-
	MOALA	87	43	-	-	-	-
	PAPAI	2,520	1,263	-	-	-	-
	SAMOAN	291	361	19	21	-	-
LOBSTERS:							
SLIPPER	ULAPAPAPA	171	182	-	-	-	-
SPINY	ULA	3,598	4,016	4,153	4,992	-	-
OCTOPUS	HEE	788	536	10	10	441	302
SQUID	MUHEE	-	-	-	-	2,619	1,789
TURTLE	HONU	214	21	4,811	1,683	-	-
TOTAL		77,068	42,430	106,045	66,962	6,893,174	1,767,638

SPECIES		LINES - CONTINUED				LIFT NETS	
		TROLL		LONG OR SET WITH HOOKS			
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
AMBERJACK	KAHALA	36	$10	-	-	-	-
BARRACUDA	KAKU	242	47	1,116	$173	-	-
BONEFISH	OIO	12	3	-	-	-	-
CREVALLE, JACK	ULUA	1,945	765	-	-	42	$12
DOLPHIN	MAHIMAHI	11,830	11,421	20,899	23,129	-	-
GOATFISHES:							
	KUMU	-	-	-	-	5	4
	MOELUA	-	-	-	-	6	3
MACKEREL, JACK	OPELU	-	-	-	-	81,721	35,392
MARLIN:							
BLACK	A'U	53,273	16,529	79,222	40,169	-	-
SAILFISH	A'U LEPE	-	-	5,902	2,361	-	-
SHORTBILL	A'U	-	-	9,276	2,360	-	-
SILVER	A'U	-	-	1,504	940	-	-
STRIPED	A'U	6,945	2,932	306,686	198,850	-	-
SQUIRRELFISH	UU	32	22	-	-	23	13
STURGEON FISH	PALANI	-	-	-	-	63	19
SWORDFISH, BROADBILL	A'U	-	-	13,737	2,539	-	-
TUNA:							
ALBACORE	AHIPALAHA	-	-	27,348	12,363	-	-
BIGEYE AND BLUEFIN	AHI	5,948	3,366	703,814	670,096	-	-
LITTLE	KAWAKAWA	2,659	896	-	-	-	-
SKIPJACK	AKU	10,664	3,405	273	162	-	-
YELLOWFIN	AHI	27,580	12,629	234,277	183,198	-	-
WAHOO	ONO	10,108	3,559	8,616	2,346	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES		LINES - CONTINUED				LIFT NETS	
		TROLL		LONG OR SET WITH HOOKS			
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
UNCLASSIFIED.	. . . .	12	$3	3,576	$178	24	$11
CRABS:							
	KONA.	-	-	-	-	35,225	42,010
	KUAHONU	-	-	-	-	3,576	3,821
	MOALA	-	-	-	-	2	2
	PAPAI	-	-	-	-	751	341
	SAMOAN.	-	-	-	-	85	90
TOTAL	. . . .	131,286	55,587	1,416,246	1,138,864	121,523	81,718

SPECIES		CAST NETS		SPEARS		BY HAND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
CREVALLE, JACK.	ULUA.	2	$1	-	-	-	-
GOATFISHES:							
	KUMU.	3	1	-	-	-	-
	WEKE.	137	68	-	-	-	-
MARLIN, SAILFISH. . . .	A'U LEPE.	-	-	-	-	56	$56
MILKFISH.	AWA	38	13	-	-	-	-
MOUNTAIN BASS	AHOLEHOLE	279	214	-	-	-	-
MULLET.	AMAAMA.	455	422	-	-	-	-
PARROT FISH	UHU	47	11	-	-	-	-
RUDDERFISH.	NENUE	631	296	-	-	76	76
SPOT.	A'AWA	2	(1)	-	-	-	-
SQUIRRELFISH.	UU.	6	4	-	-	-	-
SURGEON FISH:							
	KALA.	32	7	-	-	-	-
	MAIKO	497	247	-	-	-	-
	PALANI.	23	5	-	-	-	-
	PUALU	21	7	-	-	-	-
TANG:							
CONVICT	MANINI.	5,697	3,159	-	-	-	-
ORANGE SPOT	NAENAE.	8	2	-	-	-	-
THREADFIN	MOI	703	611	-	-	-	-
TRIGGERFISH	HUMUHUMU.	2	(1)	-	-	-	-
UNCLASSIFIED FISH . . .	. . . .	778	419	-	-	-	-
LIMPET 2/	OPIHI	-	-	-	-	4,235	17,728
LOBSTERS:							
SLIPPER	ULAPAPAPA	-	-	-	-	5	7
SPINY	ULA	-	-	-	-	533	668
OCTOPUS	HEE	16	21	3,671	$2,772	-	-
TOTAL	. . . .	9,377	5,508	3,671	2,772	4,905	18,535

SPECIES		NETS, UNCLASSIFIED		OTHER GEAR		VARIOUS GEAR, FISH POND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
BARRACUDA	KAKU.	-	-	-	-	422	$329
BIGEYE SCAD	AKULE	28	$18	-	-	-	-
BONEFISH.	OIO	-	-	-	-	3,547	1,345
CREVALLE, JACK.	ULUA.	83	48	86	$49	548	480
DAMSELFISH.	KUPIPI.	-	-	10	6	-	-
EEL, MORAY.	PUHI.	100	10	-	-	-	-
GOATFISHES:							
	KUMU.	220	311	359	446	-	-
	MOANO	-	-	14	10	-	-
	MOELUA.	4	2	-	-	-	-
	WEKE.	4,716	2,085	450	125	12	5
MILKFISH.	AWA	-	-	10	2	12,066	6,026
MOUNTAIN BASS	AHOLEHOLE	124	118	66	48	39	14
MULLET.	AMAAMA.	-	-	-	-	1,179	1,241
PARROT FISH	UHU	515	199	889	321	-	-
RED BIGEYE.	AWEOWEO	7	2	84	25	-	-
RUDDERFISH.	NENUE	304	171	52	15	-	-
RUNNER.	LAE	15	4	-	-	404	86
SARDINE	MAKIAWA	600	150	-	-	-	-
SPOT.	A'AWA	-	-	4	1	-	-
SQUIRRELFISH.	UU.	664	639	664	530	-	-
SURGEON FISH:							
	KALA.	1,050	238	2	(1)	-	-
	MAIKO	-	-	73	30	-	-
	PALANI.	21	6	231	52	-	-
	PUALU	17	7	-	-	-	-

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

HAWAII - LANDINGS OF CATCH BY GEAR, 1969 - Continued

SPECIES		NETS, UNCLASSIFIED		OTHER GEAR		VARIOUS GEAR, FISH POND	
ENGLISH	HAWAIIAN	POUNDS	VALUE	POUNDS	VALUE	POUNDS	VALUE
TANG, CONVICT	MANINI.	151	$97	49	$23	-	-
TENPOUNDER.	AWAAWA.	-	-	-	-	399	$138
THREADFIN	MOI	-	-	-	-	41	43
UNCLASSIFIED FISH . . .	. . . .	135	74	727	330	608	297
CRABS:							
	KUAHONU	3,843	4,325	-	-	389	296
	MOALA	-	-	-	-	45	18
	SAMOAN.	-	-	-	-	257	196
LOBSTER, SPINY.	ULA	-	-	90	112	-	-
SEAWEED	LIMU.	-	-	70,287	17,889	-	-
SHRIMP.	OPAE.	580	1,095	-	-	-	-
TREPANG (SEA CUCUMBER).	. . . .	-	-	798	849	-	-
TURTLE.	HONU.	-	-	2,177	1,117	-	-
TOTAL	. . . .	13,277	9,599	77,122	21,980	19,956	10,514

1/ LESS THAN 50 CENTS.

2/ THE WEIGHT OF MEAT FOR LIMPETS IS BASED ON A YIELD OF 20 PERCENT.

SECTION 11 - PUERTO RICO FISHERIES

The Puerto Rico catch was 99.8 million pounds worth $15.9 million--19.1 million pounds and $3.1 million less than in 1968. The decline was caused principally by a sharp drop in landings of skipjack tuna. The skipjack catch of 28.0 million pounds was 18.7 million (40 percent) less than in 1968, and 49.7 million pounds (64 percent) less than the record harvest of 1967.

Total tuna landings of 96.3 million pounds worth $14.9 million were 96 percent of the volume and 93 percent of the value of the Puerto Rico catch. Tuna landed by U.S. fishermen in Puerto Rico were caught only in the Pacific Ocean until 1962, when 9 percent of the catch was taken in the Atlantic Ocean. Tuna landings from the Atlantic have fluctuated from a low of 248,000 pounds in 1966 to a record 32.9 million pounds in 1969. Of this amount, 75 percent was yellowfin tuna. The total yellowfin catch (68.3 million pounds) was 7.3 million (12 percent) greater than in 1968. No bluefin tuna were landed in Puerto Rico in 1969.

The catch by local fishermen, consisting principally of marine fish, was 3.5 million pounds--69 percent less than in 1968. Fishermen used various gear--mainly gill nets, haul seines, hooks (hand, troll, long or set lines), cast nets, fish pots, and weirs.

PUERTO RICO LANDINGS, 1953-69

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

YEAR	TUNA							
	BLUEFIN		SKIPJACK		YELLOWFIN		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
1953	(1)	(1)	(1)	(1)	(1)	(1)	2,704	(1)
1954	(1)	(1)	(1)	(1)	(1)	(1)	6,388	(1)
1955	(1)	(1)	(1)	(1)	(1)	(1)	9,549	(1)
1956	(1)	(1)	(1)	(1)	(1)	(1)	12,000	(1)
1957	(1)	(1)	(1)	(1)	(1)	(1)	18,393	(1)
1958	(1)	(1)	(1)	(1)	(1)	(1)	16,652	(1)
1959	(1)	(1)	(1)	(1)	(1)	(1)	22,090	(1)
1960	(1)	(1)	5,692	(1)	15,218	(1)	20,910	(1)
1961	(1)	(1)	10,392	(1)	20,658	(1)	31,050	(1)
1962	1,676	(1)	20,086	(1)	7,028	(1)	28,790	(1)
1963 3/	2,494	254	30,454	2,966	4,078	500	37,026	3,720
1964	4,324	476	30,447	2,816	13,622	1,669	48,393	4,961
1965	2,346	287	42,064	4,417	10,166	1,398	54,576	6,102
1966	1,286	176	37,962	4,881	25,450	4,337	64,698	9,394
1967	1,360	150	77,702	7.343	18,820	2,456	97,882	9,949
1968	-	-	46,672	6,096	60,988	9,526	107,660	15,622
1969	-	-	28,014	3,847	68,254	11,041	96,268	14,888

YEAR	OTHER							
	FRESH-WATER FISH		UNCLASSIFIED FISH		CRUSTACEANS		MOLLUSKS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
1953	441	(1)	4,409	(1)	441	(1)	(2)	(1)
1954	441	(1)	4,630	(1)	441	(1)	(2)	(1)
1955	441	(1)	4,630	(1)	661	(1)	(2)	(1)
1956	441	(1)	4,850	(1)	661	(1)	(2)	(1)
1957	441	(1)	4,850	(1)	661	(1)	(2)	(1)
1958	441	(1)	5,071	(1)	661	(1)	(2)	(1)
1959	441	(1)	5,291	(1)	661	(1)	(2)	(1)
1960	441	(1)	5,512	(1)	661	(1)	(2)	(1)
1961	441	(1)	5,952	(1)	661	(1)	(2)	(1)
1962	441	(1)	6,614	(1)	661	(1)	(2)	(1)
1963 3/	441	88	7,496	1,357	1,102	431	(2)	(1)
1964	441	97	8,378	1,843	1,102	551	(2)	(1)
1965	441	110	9,039	2,079	1,323	727	(2)	(1)
1966	441	110	9,039	2,079	1,323	760	(2)	(1)
1967	441	132	8,598	1,934	1,984	1,300	(2)	(1)
1968	441	132	8,598	1,771	1,764	1,330	220	98
1969	441	132	2,866	654	220	229	(2)	25

SEE FOOTNOTES AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

PUERTO RICO LANDINGS, 1953-69 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

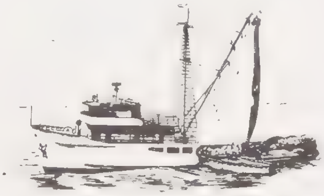
YEAR	OTHER - CONTINUED				GRAND TOTAL	
	MISCELLANEOUS SHELLFISH, ETC.		TOTAL			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
1953	(2)	(1)	5,291	(1)	7,995	(1)
1954	(2)	(1)	5,512	(1)	11,900	(1)
1955	(2)	(1)	5,732	(1)	15,281	(1)
1956	(2)	(1)	5,952	(1)	17,952	(1)
1957	(2)	(1)	5,952	(1)	24,345	(1)
1958	(2)	(1)	6,173	(1)	22,825	(1)
1959	(2)	(1)	6,393	(1)	28,483	(1)
1960	220	(1)	6,834	(1)	27,744	(1)
1961	220	(1)	7,274	(1)	38,324	(1)
1962	(2)	(1)	7,716	(1)	36,506	(1)
1963 3/	220	66	9,259	1,942	46,285	5,662
1964	220	66	10,141	2,557	58,534	7,518
1965	220	77	11,023	2,993	65,599	9,095
1966	220	77	11,023	3,026	75,721	12,420
1967	220	80	11,243	3,446	109,125	13,395
1968	220	73	11,243	3,404	118,903	19,026
1969	(2)	11	3,527	1,051	99,795	15,939

1/ DATA NOT AVAILABLE.

2/ NEGLIGIBLE.

3/ AN ADDITIONAL CATCH OF BLUEFIN (640,000 POUNDS) AND SKIPJACK (596,000 POUNDS) TUNA WAS LANDED AT U.S. ATLANTIC COAST PORTS AND TRANSHIPPED TO PUERTO RICO.

NOTE:--DATA ON THE PUERTO RICO LANDINGS BY LOCAL FISHERMEN ARE FROM THE YEARBOOK OF FISHERY STATISTICS (VARIOUS YEARS), FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS. METRIC TONS HAVE BEEN CONVERTED TO POUNDS BY MULTIPLYING BY 2,204.6. DATA ON TUNA LANDINGS IN PUERTO RICO BY U.S. FISHERMEN WERE OBTAINED BY THE BUREAU.



PUERTO RICO TUNA LANDINGS ATLANTIC AND PACIFIC OCEANS, 1953-69

(THOUSANDS OF POUNDS)

YEAR	BLUEFIN		SKIPJACK		YELLOWFIN		TOTAL		GRAND TOTAL
	ATLANTIC	PACIFIC	ATLANTIC	PACIFIC	ATLANTIC	PACIFIC	ATLANTIC	PACIFIC	
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
1953	-	(1)	-	(1)	-	(1)	-	2,704	2,704
1954	-	(1)	-	(1)	-	(1)	-	6,388	6.388
1955	-	(1)	-	(1)	-	(1)	-	9,549	9,549
1956	-	(1)	-	(1)	-	(1)	-	12,000	12,000
1957	-	(1)	-	(1)	-	(1)	-	18,393	18,393
1958	-	(1)	-	(1)	-	(1)	-	16,652	16,652
1959	-	(1)	-	(1)	-	(1)	-	22,090	22,090
1960	-	(1)	-	5,692	-	15,218	-	20,910	20,910
1961	-	(1)	-	10,392	-	20,658	-	31,050	31,050
1962	1,676	-	936	19,150	-	7,028	2,612	26,178	28,790
1963 2/	2,494	-	2,326	28,128	-	4,078	4,820	32,206	37,026
1964	4,324	-	6,508	23,939	-	13,622	10,832	37,561	48,393
1965	2,346	-	128	41,936	-	10,166	2,474	52,102	54,576
1966	248	1,038	-	37,962	-	25,450	248	64,450	64,698
1967	838	522	914	76,788	1,620	17,200	3,372	94,510	97,882
1968	-	-	6,844	39,828	13,454	47,534	20,298	87,362	107,660
1969	-	-	8,270	19,744	24,670	43,584	32,940	63,328	96,268

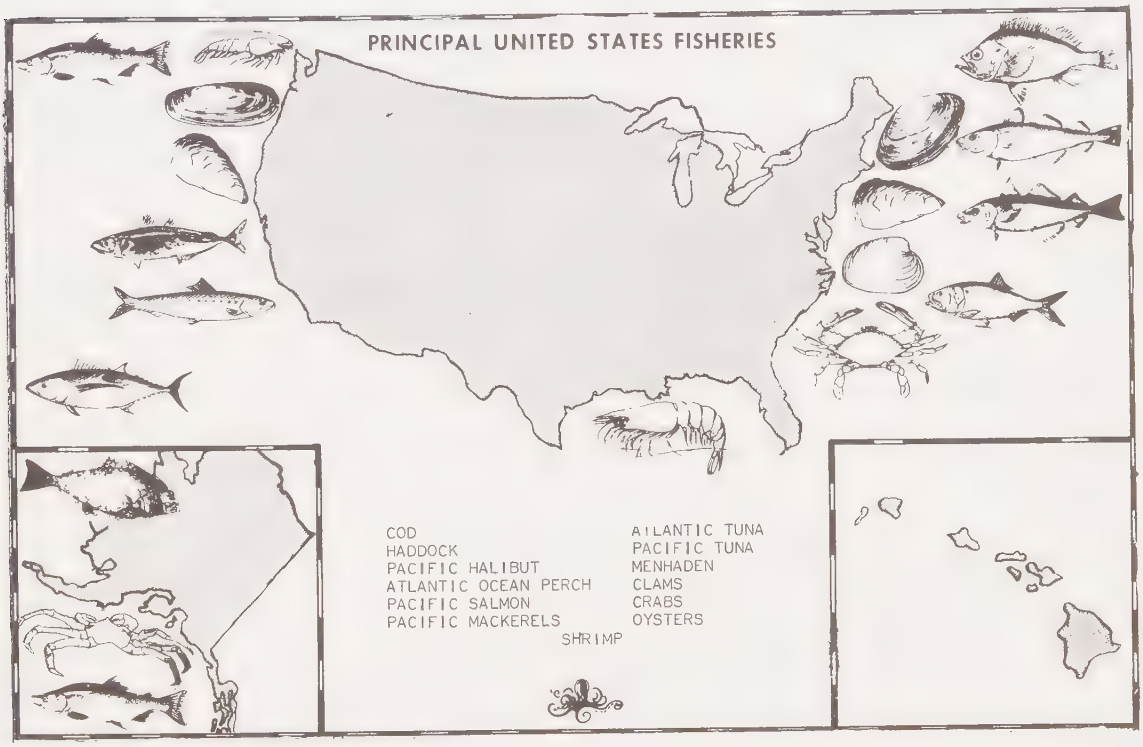
1/ DATA NOT AVAILABLE.

2/ AN ADDITIONAL CATCH OF BLUEFIN (640,000 POUNDS) AND SKIPJACK (596,000 POUNDS) TUNA WAS LANDED AT U.S. ATLANTIC COAST PORTS AND TRANSHIPPED TO PUERTO RICO.

SECTION 12

REVIEW OF CERTAIN MAJOR FISHERIES

In this Section, there are complete data on the commercial landings of certain major species of fish and shellfish taken in the U.S. fisheries. Additional information is presented on the operating units for many of these fisheries. Most of the major species are taken by several types of fishing gear operated in two or more States; because of this, the casual reader of the digest may have difficulty in locating complete data. The information contained in this Section includes operating units and the volume and value of the catch by types of gear, by States, or by districts.



PRINCIPAL UNITED STATES FISHERIES

COD
HADDOCK
PACIFIC HALIBUT
ATLANTIC OCEAN PERCH
PACIFIC SALMON
PACIFIC MACKERELS
SHRIMP
ATLANTIC TUNA
PACIFIC TUNA
MENHADEN
CLAMS
CRABS
OYSTERS

U.S. COD FISHERY, 1969

U.S. fishermen landed 61.4 million pounds of cod worth $5.1 million--an increase of 6.3 million pounds and $1.3 million compared with 1968. Massachusetts landings of 49.2 million pounds were 8.1 million more than in 1968, and accounted largely for the gain. On the Pacific Coast, principally Washington, landings of 3.9 million pounds declined 2.0 million compared with 1968.

The catch by otter trawls accounted for 87 percent of the landings; lines, 8 percent; and gill nets, 4 percent. The remaining 1 percent was taken in pound nets, traps, haul seines, and dredges.

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF COD LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	HAUL SEINES		OTTER TRAWLS		POUND NETS		FLOATING TRAPS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	2,529	127	-	-	(1)	1
NEW HAMPSHIRE	-	-	46	5	-	-	-	-
MASSACHUSETTS	-	-	43,889	3,882	303	$24	3	(1)
RHODE ISLAND	1	(1)	2,172	171	-	-	192	28
CONNECTICUT	-	-	422	33	-	-	-	-
TOTAL	1	(1)	49,058	4,218	303	24	195	29
MIDDLE ATLANTIC:								
NEW YORK	-	-	383	53	2	(1)	-	-
NEW JERSEY	-	-	41	6	-	-	-	-
TOTAL	-	-	424	59	2	(1)	-	-
CHESAPEAKE:								
MARYLAND	-	-	13	1	-	-	-	-
VIRGINIA	-	-	23	2	-	-	-	-
TOTAL	-	-	36	3	-	-	-	-
PACIFIC COAST:								
ALASKA	-	-	49	6	-	-	-	-
WASHINGTON	-	-	3,801	226	-	-	-	-
OREGON	-	-	50	3	-	-	-	-
TOTAL	-	-	3,900	235	-	-	-	-
GRAND TOTAL	1	1	53,418	4,515	305	24	195	29

AREA AND STATE	GILL NETS		LINES			
			HAND		TROLL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	1,343	80	339	14	406	17
NEW HAMPSHIRE	93	9	8	1	-	-
MASSACHUSETTS	908	80	873	51	-	-
RHODE ISLAND	-	-	84	7	-	-
CONNECTICUT	-	-	5	1	-	-
TOTAL	2,344	169	1,309	74	406	17
MIDDLE ATLANTIC:						
NEW YORK	-	-	27	4	-	-
NEW JERSEY	(1)	(1)	1	(1)	-	-
TOTAL	(1)	(1)	28	4	-	-
PACIFIC COAST:						
WASHINGTON	-	-	-	-	(1)	1
GRAND TOTAL	2,344	169	1,337	78	406	18

AREA AND STATE	LINES - CONTINUED		DREDGES		TOTAL	
	LONG OR SET WITH HOOKS					
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	4,617	238
NEW HAMPSHIRE	8	1	-	-	155	16
MASSACHUSETTS	3,243	221	1	(1)	49,220	4,258
RHODE ISLAND	23	2	-	-	2,472	208
CONNECTICUT	-	-	-	-	427	34
TOTAL	3,274	224	1	(1)	56,891	4,755
MIDDLE ATLANTIC:						
NEW YORK	37	5	-	-	449	62
NEW JERSEY	82	12	-	-	124	18
DELAWARE	2	(1)	-	-	2	(1)
TOTAL	121	17	-	-	575	80
CHESAPEAKE:						
MARYLAND	-	-	-	-	13	1
VIRGINIA	-	-	-	-	23	2
TOTAL	-	-	-	-	36	3
PACIFIC COAST:						
ALASKA	-	-	-	-	49	6
WASHINGTON	(1)	(1)	-	-	3,801	226
OREGON	-	-	-	-	50	3
TOTAL	(1)	(1)	-	-	3,900	235
GRAND TOTAL	3,395	241	1	(1)	61,402	5,073

1/ LESS THAN 500 POUNDS OR $500.

REVIEW OF CERTAIN MAJOR FISHERIES

ATLANTIC COAST HADDOCK FISHERY, 1969

Landings of 45.8 million pounds of haddock worth $7.8 million declined 24.8 million pounds and $1.5 million compared with 1968. The last successful year for haddock was in 1963 when the year-class was one of the largest on record. Since that time the fishery has declined steadily, and the 1969 landings were among the smallest ever recorded. Large haddock was 70 percent of the landings in 1969--compared with 55 percent in 1968.

Haddock landings of 44.4 million pounds at Massachusetts ports (comprising 97 percent of the total volume) were 24.1 million pounds less than in 1968. The catch by otter trawls accounted for 94 percent of the landings; the rest was taken by lines, gill nets and dredges.

HADDOCK

SUMMARY OF HADDOCK LANDING, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	OTTER TRAWLS		GILL NETS		LINES HAND	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	928	132	33	4	1	(1)
NEW HAMPSHIRE	4	1	4	1	-	-
MASSACHUSETTS	41,870	7,132	157	24	27	4
RHODE ISLAND.	396	61	-	-	-	-
TOTAL	43,198	7,326	194	29	28	4
MIDDLE ATLANTIC, NEW YORK .	20	3	-	-	-	-
GRAND TOTAL	43,218	7,329	194	29	28	4

AREA AND STATE	LINES - CONTINUED LONG OR SET WITH HOOKS		DREDGES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	21	3	-	-	983	139
NEW HAMPSHIRE	1	(1)	-	-	9	2
MASSACHUSETTS	2,362	400	5	1	44,421	7,561
RHODE ISLAND.	-	-	-	-	396	61
TOTAL	2,384	403	5	1	45,809	7,763
MIDDLE ATLANTIC, NEW YORK .	-	-	-	-	20	3
GRAND TOTAL	2,384	403	5	1	45,829	7,766

1/ LESS THAN $500.

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC COAST HALIBUT FISHERY, 1969

Halibut landings by the combined United States and Canadian fleets were 58.6 million pounds (dressed weight)--an increase of 9.7 million pounds compared with 1968. U.S. fishermen landed 25.0 million pounds (43 percent of the total) and received $8.9 million--5.6 million pounds and $4.7 million more than in the previous year. The U.S. fleet operating out of Pacific coast ports numbered 183 vessels in 1969, compared with 164 vessels in 1968. Canadian fishermen landed 33.6 million pounds--a gain of 4.1 million compared with 1968.

The International Pacific Halibut Commission set the same catch quotas as in 1968--21.0 million pounds in Area 2, 31.0 million in Area 3A, and 3.5 million pounds in Area 3B. Halibut fishing opened on March 29 in the Bering Sea in Areas 3C, 4C, and 4D. Area 4C closed on April 22, but Areas 3C and 4D remained open until November 15. Areas 4A and 4B opened April 3 and closed April 15, but Area 4B reopened September 1 and closed September 13. Area 3B opened April 12, closed April 17, reopened May 7, and closed October 25. Area 2 opened May 7 and closed September 21. Area 3A opened May 7 and closed September 23.

Data on the landings of halibut in the following tables represent the dressed weight of the fish, i.e., the weight by which the quota is determined. The dressed weight of halibut can be converted to round weight by multiplying by 1.33. Halibut landed in Canada by vessels of U.S. registry are credited to Alaska.

SUMMARY OF U. S. HALIBUT FLEET OPERATING UNITS, 1969

ITEM	WASHINGTON AND OREGON FLEET	ALASKA FLEET	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
REGULAR HALIBUT VESSELS:			
NUMBER.	56	166	183
GROSS TONNAGE	2,778	5,594	6,279
CREW.	314	671	757
SKATES OF LINES	2,554	5,313	5,872
REGULAR HALIBUT BOATS:			
NUMBER.	-	19	19
CREW.	-	30	30
SKATES OF LINES	-	150	150
BOATS PRIMARILY IN OTHER FISHERIES BUT LANDING SMALL FARES OF HALIBUT 1/:			
NUMBER.	-	34	34
CREW.	-	47	47
SKATES OF LINES	-	210	210

1/ DOES NOT INCLUDE TROLLERS OR OTHER BOATS CATCHING HALIBUT INCIDENTAL TO OTHER FISHING OPERATIONS.
NOTE:--UNITED STATES VESSELS LANDING HALIBUT AT PRINCE RUPERT, BRITISH COLUMBIA, HAVE BEEN INCLUDED WITH THOSE LANDINGS IN ALASKA.

LANDINGS BY U. S. HALIBUT FLEET, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	LANDED IN						TOTAL	
	WASHINGTON AND OREGON		BRITISH COLUMBIA		ALASKA			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HALIBUT	7,817	3,181	511	177	16,638	5,579	24,966	8,937
SABLEFISH	540	106	-	-	465	65	1,005	171
LINGCOD	13	1	-	-	33	4	46	5
ROCKFISH.	115	7	-	-	22	2	137	9
TOTAL	8,485	3,295	511	177	17,158	5,650	26,154	9,122

NOTE:--IN ADDITION THERE WERE APPROXIMATELY 40,000 POUNDS OF "NORTHERN" HALIBUT LANDED IN CALIFORNIA. MOST OF THIS CATCH WAS INCLUDED UNDER "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS". THE QUANTITIES SHOWN ABOVE REPRESENT DRESSED WEIGHT OF FISH. TO CONVERT TO ROUND WEIGHT, MULTIPLY THE WEIGHT OF HALIBUT BY 1.33 AND OTHER SPECIES BY 1.43.

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF UNITED STATES AND CANADIAN HALIBUT LANDINGS, 1969

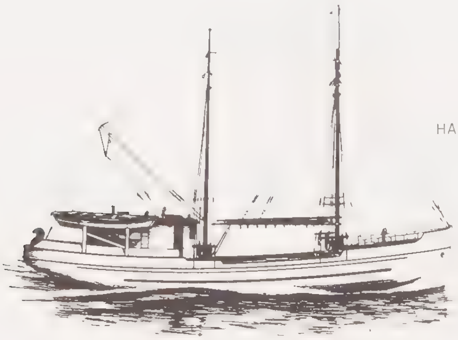
(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

FLEET CLASSIFICATION	LANDED IN						TOTAL	
	WASHINGTON AND OREGON		BRITISH COLUMBIA		ALASKA			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
UNITED STATES FLEET 1/. . .	7,817	3,181	511	177	16,638	5,579	24,966	8,937
BRITISH COLUMBIA FLEET. . .	2,157	880	26,878	2/10,860	4,562	1,565	33,597	13,305
TOTAL	9,974	4,061	27,389	11,037	21,200	7,144	58,563	22,242

1/ IN ADDITION THERE WERE APPROXIMATELY 40,000 POUNDS OF "NORTHERN" HALIBUT LANDED IN CALIFORNIA. MOST OF THIS CATCH WAS INCLUDED UNDER "CALIFORNIA HALIBUT" AND "UNCLASSIFIED FLOUNDERS".

2/ CANADIAN FUNDS.

NOTE:--HALIBUT STATISTICS IN THESE TABLES WERE COMPILED FROM DATA COLLECTED BY THE INTERNATIONAL PACIFIC HALIBUT COMMISSION. STATISTICS FOR OTHER SPECIES WERE FURNISHED BY THE STATES.



HALIBUT SCHOONER

ATLANTIC OCEAN PERCH FISHERY, 1969

Landings of 55.8 million pounds of ocean perch declined 5.5 million compared with 1968--continuing the downward trend that began in 1961. However, the value of $2.4 million was slightly less than in the previous year and reflected the improved prices that prevailed in 1969.

Maine landings of 50.8 million pounds worth $2.2 million were 91 percent of both the volume and value of the catch. Massachusetts accounted for the remaining 9 percent. A negligible amount was landed in New Hampshire and Rhode Island. Fishermen took the entire catch with otter trawls.

Most of the catch was taken in the Gulf of St. Lawrence; the rest was taken principally in waters off New England. Small catches were also made in Nova Scotia waters.

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC COAST SALMON FISHERY, 1969

Landings of 267.8 million pounds worth $62.9 million were 59.8 million pounds (18 percent) and $3.8 million (6 percent) less than in 1968. Principal cause of the decline was the Alaska landings of 219.1 million pounds worth $42.4 million--a decrease of 66.1 million pounds (23 percent) and $7.0 million (14 percent) compared with 1968. In alaska, all species except red salmon declined in both volume and value in 1969. Red salmon landings of 71.7 million pounds worth $18.0 million increased 47 percent in quantity and 42 percent in value compared with 1968. A spectacular run of about 19 million fish in Bristol Bay contributed markedly to the red salmon production. Chinook salmon landings were 10.7 million pounds--4 percent less than in 1968. One of the best Bristol Bay harvests in nearly 20 years helped to increase the chinook production. Pink salmon landings of 106.0 million pounds declined sharply from the 148.4 million taken in 1968. Compared with 1968, landings of chum salmon (22.7 million pounds) declined 33.2 million and silver salmon (8.0 million) declined 12.9 million pounds. In both Washington and Oregon the salmon landings increased slightly compared with the previous year. Washington landings of 32.0 million pounds worth $12.4 million were 6.2 million pounds and $2.8 million more than in 1968. Oregon landings of 10.5 million pounds worth $4.2 million increased 10 percent in volume and 18 percent in value compared with 1968. California salmon landings were 6.2 million pounds worth $3.9 million--a decline of 12 percent in volume and 4 percent in value compared with 1968.

Purse seines accounted for 136.5 million pounds (51 percent); gill nets, 105.7 million (39 percent); and lines, 24.6 million pounds (9 percent). The rest was taken by reef nets, floating traps, haul seines, dip nets, pound nets, wheels, and otter trawls.

SUMMARY OF PACIFIC COAST SALMON PURSE SEINE OPERATING UNITS, 1969

ITEM	ALASKA 1/	WASHINGTON	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS	4,302	2,118	5,687
ON BOATS AND SHORE	1,077	-	1,077
TOTAL	5,379	2,118	6,764
VESSELS, MOTOR:			
5 - 9 TONS	91	2	92
10 - 19 TONS	284	19	299
20 - 29 TONS	134	64	173
30 - 39 TONS	93	95	143
40 - 49 TONS	72	99	135
50 - 59 TONS	32	31	50
60 - 69 TONS	5	5	7
70 - 79 TONS	2	-	2
80 - 89 TONS	-	2	2
100 - 109 TONS	2	-	2
110 - 119 TONS	1	-	1
480 - 489 TONS	1	-	1
TOTAL VESSELS	717	317	907
TOTAL GROSS TONNAGE	17,262	11,709	24,192
BOATS, MOTOR	2,438	317	2,579
GEAR:			
NUMBER	1,195	317	1,385
LENGTH, YARDS	472,718	169,965	583,283

1/ INCLUDES SOME HAUL SEINES.

NOTE:--PURSE SEINE OPERATING UNITS WERE CONFINED TO ALASKA AND WASHINGTON.

SUMMARY OF PACIFIC COAST SALMON GILL NET OPERATING UNITS, 1969

ITEM	ANCHOR, SET OR STAKE			
	ALASKA	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	72	-	-	72
ON BOATS AND SHORE	2,423	370	115	2,908
TOTAL	2,495	370	115	2,980
VESSELS, MOTOR:				
5 - 9 TONS	5	-	-	5
10 - 19 TONS	13	-	-	13
20 - 29 TONS	10	-	-	10
30 - 39 TONS	2	-	-	2
40 - 49 TONS	2	-	-	2
120 - 129 TONS	2	-	-	2
130 - 139 TONS	1	-	-	1
190 - 199 TONS	1	-	-	1
TOTAL VESSELS	36	-	-	36
TOTAL GROSS TONNAGE	1,181	-	-	1,181
BOATS:				
MOTOR	2,423	280	94	2,797
OTHER	-	44	10	54
GEAR:				
NUMBER	2,459	324	85	2,868
SQUARE YARDS	1,597,491	100,000	35,000	1,732,491

ITEM	DRIFT			
	ALASKA	WASHINGTON	OREGON	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS	1,200	439	9	1,569
ON BOATS AND SHORE	3,684	1,118	585	5,387
TOTAL	4,884	1,557	594	6,956
VESSELS, MOTOR:				
5 - 9 TONS	235	131	2	356
10 - 19 TONS	292	186	4	441
20 - 29 TONS	34	10	-	39
30 - 39 TONS	14	4	-	17
40 - 49 TONS	4	1	-	5
50 - 59 TONS	2	-	-	2
60 - 69 TONS	3	-	-	3
70 - 79 TONS	3	-	-	3
80 - 89 TONS	2	-	-	2
100 - 109 TONS	1	-	-	1
110 - 119 TONS	3	-	-	3
190 - 199 TONS	3	-	-	3
270 - 279 TONS	1	-	-	1
340 - 349 TONS	1	-	-	1
480 - 489 TONS	1	-	-	1
970 - 979 TONS	1	-	-	1
TOTAL VESSELS	600	332	6	879
TOTAL GROSS TONNAGE	10,682	3,756	66	13,734
BOATS, MOTOR	3,684	1,008	534	5,226
GEAR:				
NUMBER	4,284	1,396	540	6,158
SQUARE YARDS	2,875,077	7,505,500	1,650,000	11,933,326

SUMMARY OF PACIFIC COAST SALMON TROLL LINE OPERATING UNITS, 1969

ITEM	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	1,202	1,005	1,260	3,313	5,629
ON BOATS AND SHORE	4,071	2,002	1,079	2,680	9,782
TOTAL	5,273	3,007	2,339	5,993	15,411
VESSELS, MOTOR:					
5 - 9 TONS	134	162	117	135	479
10 - 19 TONS	291	344	345	591	1,279
20 - 29 TONS	102	77	125	225	389
30 - 39 TONS	29	34	57	114	163
40 - 49 TONS	24	8	9	57	85
50 - 59 TONS	10	1	7	24	39
60 - 69 TONS	3	1	2	6	11
70 - 79 TONS	5	-	-	5	10
80 - 89 TONS	1	-	1	1	3
90 - 99 TONS	-	-	1	-	1
100 - 109 TONS	-	-	-	1	1
110 - 119 TONS	1	-	-	-	1
130 - 139 TONS	-	-	-	1	1
150 - 159 TONS	1	-	-	-	1
160 - 169 TONS	-	-	-	1	1
190 - 199 TONS	-	-	-	1	1
TOTAL VESSELS	601	627	664	1,162	2,465
TOTAL GROSS TONNAGE .	10,997	9,434	11,623	23,615	44,432
BOATS, MOTOR	2,320	1,667	975	1,341	6,261
GEAR:					
NUMBER	10,468	9,286	7,236	15,018	38,418
HOOKS	58,968	38,146	31,302	60,072	172,746

SALMON LANDINGS BY DISTRICT AND CATCH BY GEAR, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	ALASKA			
	SOUTHEASTERN		CENTRAL	
	QUANTITY	VALUE	QUANTITY	VALUE
PURSE SEINES:				
CHINOOK OR KING	91	23	146	36
CHUM OR KETA	3,060	441	8,578	984
PINK	18,114	2,904	81,898	11,793
RED OR SOCKEYE	1,962	589	7,415	1,706
SILVER OR COHO	803	120	617	111
TOTAL	24,030	4,077	98,654	14,630
FLOATING TRAPS:				
CHUM OR KETA	2	(1)	-	-
PINK	123	21	-	-
RED OR SOCKEYE	5	2	-	-
SILVER OR COHO	3	4	-	-
TOTAL	133	27	-	-
GILL NETS, ANCHOR, SET OR STAKE:				
CHINOOK OR KING	26	8	228	86
CHUM OR KETA	158	38	500	60
PINK	270	59	2,250	342
RED OR SOCKEYE	716	272	3,901	1,014
SILVER OR COHO	238	74	500	105
TOTAL	1,408	451	7,379	1,607
GILL NETS, DRIFT:				
CHINOOK OR KING	205	59	284	94
CHUM OR KETA	1,928	470	3,418	410
PINK	1,596	367	166	24
RED OR SOCKEYE	2,021	776	12,044	3,214
SILVER OR COHO	475	149	815	169
TOTAL	6,225	1,821	16,727	3,911

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON LANDINGS BY DISTRICT AND CATCH BY GEAR, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	ALASKA - CONTINUED			
	SOUTHEASTERN		CENTRAL	
	QUANTITY	VALUE	QUANTITY	VALUE
LINES, TROLL:				
CHINOOK OR KING	3,915	1,918	48	21
CHUM OR KETA.	16	5	(1)	(1)
PINK.	351	88	3	1
RED OR SOCKEYE.	2	1	-	-
SILVER OR COHO.	2,836	1,232	11	4
TOTAL	7,120	3,244	62	26
GRAND TOTAL	38,916	9,620	122,822	20,174

GEAR AND SPECIES	ALASKA - CONTINUED			
	WESTERN		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
PURSE SEINES:				
CHINOOK OR KING	(1)	(1)	237	59
CHUM OR KETA.	48	5	11,686	1,430
PINK.	872	81	100,884	14,778
RED OR SOCKEYE.	46	1	9,423	2,296
SILVER OR COHO.	23	3	1,443	234
TOTAL	989	90	123,673	18,797
FLOATING TRAPS:				
CHUM OR KETA.	-	-	2	(1)
PINK.	-	-	123	21
RED OR SOCKEYE.	-	-	5	2
SILVER OR COHO.	-	-	3	4
TOTAL	-	-	133	27
GILL NETS, ANCHOR, SET OR STAKE:				
CHINOOK OR KING	1,676	364	1,930	458
CHUM OR KETA.	2,356	241	3,014	339
PINK.	314	30	2,834	431
RED OR SOCKEYE.	5,240	1,257	9,857	2,543
SILVER OR COHO.	467	68	1,205	247
TOTAL	10,053	1,960	18,840	4,018
GILL NETS, DRIFT:				
CHINOOK OR KING	4,118	895	4,607	1,048
CHUM OR KETA.	2,598	279	7,944	1,159
PINK.	10	1	1,772	392
RED OR SOCKEYE.	38,382	9,216	52,447	13,206
SILVER OR COHO.	1,246	189	2,536	507
TOTAL	46,354	10,580	69,306	16,312
LINES, TROLL:				
CHINOOK OR KING	-	-	3,963	1,939
CHUM OR KETA.	-	-	16	5
PINK.	-	-	354	89
RED OR SOCKEYE.	-	-	2	1
SILVER OR COHO.	-	-	2,847	1,236
TOTAL	-	-	7,182	3,270
WHEELS:				
CHINOOK OR KING	10	3	10	3
CHUM OR KETA.	5	1	5	1
SILVER OR COHO.	1	(1)	1	(1)
TOTAL	16	4	16	4
GRAND TOTAL	57,412	12,634	219,150	42,428

GEAR AND SPECIES	WASHINGTON			
	PUGET SOUND		WASHINGTON COAST	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES:				
CHINOOK OR KING	25	13	-	-
CHUM OR KETA.	9	3	-	-
PINK.	48	7	-	-
SILVER OR COHO.	20	7	-	-
TOTAL	102	30	-	-

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON LANDINGS BY DISTRICT AND CATCH BY GEAR, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	WASHINGTON - CONTINUED			
	PUGET SOUND		WASHINGTON COAST	
	QUANTITY	VALUE	QUANTITY	VALUE
PURSE SEINES:				
CHINOOK OR KING	665	359	-	-
CHUM OR KETA.	601	213	-	-
PINK.	4,694	869	-	-
RED OR SOCKEYE.	5,884	2,524	-	-
SILVER OR COHO.	943	373	-	-
TOTAL	12,787	4,338	-	-
POUND NETS:				
CHINOOK OR KING	34	18	-	-
CHUM OR KETA.	2	1	-	-
PINK.	26	5	-	-
RED OR SOCKEYE.	1	1	-	-
SILVER OR COHO.	22	8	-	-
TOTAL	85	33	-	-
GILL NETS, ANCHOR, SET OR STAKE:				
CHINOOK OR KING	295	133	361	187
CHUM OR KETA.	358	63	26	5
PINK.	91	14	-	-
RED OR SOCKEYE.	3	1	125	64
SILVER OR COHO.	320	116	177	69
TOTAL	1,067	327	689	325
GILL NETS, DRIFT:				
CHINOOK OR KING	792	463	659	344
CHUM OR KETA.	585	206	557	131
PINK.	529	107	-	-
RED OR SOCKEYE.	3,152	1,364	-	-
SILVER OR COHO.	1,592	663	342	160
TOTAL	6,650	2,803	1,558	635
LINES, TROLL:				
CHINOOK OR KING	225	145	1,844	1,088
CHUM OR KETA.	(1)	(1)	(1)	(1)
PINK.	184	40	143	31
RED OR SOCKEYE.	2	1	(1)	(1)
SILVER OR COHO.	575	241	1,629	684
TOTAL	986	427	3,616	1,803
REEF NETS:				
CHINOOK OR KING	14	7	-	-
CHUM OR KETA.	5	2	-	-
PINK.	220	40	-	-
RED OR SOCKEYE.	437	188	-	-
SILVER OR COHO.	33	12	-	-
TOTAL	709	249	-	-
GRAND TOTAL	22,386	8,207	5,863	2,763

GEAR AND SPECIES	WASHINGTON - CONTINUED			
	COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES:				
CHINOOK OR KING	-	-	25	13
CHUM OR KETA.	-	-	9	3
PINK.	-	-	48	7
SILVER OR COHO.	-	-	20	7
TOTAL	-	-	102	30
PURSE SEINES:				
CHINOOK OR KING	-	-	665	359
CHUM OR KETA.	-	-	601	213
PINK.	-	-	4,694	869
RED OR SOCKEYE.	-	-	5,884	2,524
SILVER OR COHO.	-	-	943	373
TOTAL	-	-	12,787	4,338

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON LANDINGS BY DISTRICT AND CATCH BY GEAR, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	WASHINGTON - CONTINUED			
	COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
POUND NETS:				
CHINOOK OR KING	-	-	34	18
CHUM OR KETA.	-	-	2	1
PINK.	-	-	26	5
RED OR SOCKEYE.	-	-	1	1
SILVER OR COHO.	-	-	22	8
TOTAL	-	-	85	33
GILL NETS, ANCHOR, SET OR STAKE:				
CHINOOK OR KING	1,059	326	1,715	646
CHUM OR KETA.	-	-	384	68
PINK.	-	-	91	14
RED OR SOCKEYE.	26	11	154	76
SILVER OR COHO.	25	7	522	192
TOTAL	1,110	344	2,866	996
GILL NETS, DRIFT:				
CHINOOK OR KING	885	362	2,336	1,169
CHUM OR KETA.	1	(1)	1,143	337
PINK.	-	-	529	107
RED OR SOCKEYE.	8	3	3,160	1,367
SILVER OR COHO.	348	120	2,282	943
TOTAL	1,242	485	9,450	3,923
LINES, TROLL:				
CHINOOK OR KING	223	127	2,292	1,360
CHUM OR KETA.	-	-	(1)	(1)
PINK.	13	3	340	74
RED OR SOCKEYE.	-	-	2	1
SILVER OR COHO.	1,079	456	3,283	1,381
TOTAL	1,315	586	5,917	2,816
DIP NETS:				
CHINOOK OR KING	51	15	51	15
SILVER OR COHO.	11	3	11	3
TOTAL	62	18	62	18
REEF NETS:				
CHINOOK OR KING	-	-	14	7
CHUM OR KETA.	-	-	5	2
PINK.	-	-	220	40
RED OR SOCKEYE.	-	-	437	188
SILVER OR COHO.	-	-	33	12
TOTAL	-	-	709	249
GRAND TOTAL	3,729	1,433	31,978	12,403

GEAR AND SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
GILL NETS, ANCHOR, SET OR STAKE:						
CHINOOK OR KING	308	95	-	-	308	95
RED OR SOCKEYE.	18	7	-	-	18	7
SILVER OR COHO.	16	5	-	-	16	5
TOTAL	342	107	-	-	342	107
GILL NETS, DRIFT:						
CHINOOK OR KING	3,514	1,335	-	-	3,514	1,335
CHUM OR KETA.	3	1	-	-	3	1
RED OR SOCKEYE.	54	21	-	-	54	21
SILVER OR COHO.	1,277	415	-	-	1,277	415
TOTAL	4,848	1,772	-	-	4,848	1,772
LINES, TROLL:						
CHINOOK OR KING	108	58	1,274	677	1,382	735
PINK.	10	2	288	63	298	65
SILVER OR COHO.	321	135	3,326	1,397	3,647	1,532
TOTAL	439	195	4,888	2,137	5,327	2,332
DIP NETS, CHINOOK OR KING .	32	10	-	-	32	10
GRAND TOTAL	5,661	2,084	4,888	2,137	10,549	4,221

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SALMON LANDINGS BY DISTRICT AND CATCH BY GEAR, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR AND SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS:						
CHINOOK OR KING	1	1	(1)	(1)	(1)	(1)
SILVER OR COHO.	(1)	(1)	(1)	(1)	(1)	(1)
TOTAL	1	1	(1)	(1)	(1)	(1)
LINES:						
CHINOOK OR KING	2,317	1,493	1,562	1,041	796	544
SILVER OR COHO.	1,040	489	160	77	26	13
TOTAL	3,357	1,982	1,722	1,118	822	557
GRAND TOTAL	3,358	1,983	1,722	1,118	822	557

GEAR AND SPECIES	CALIFORNIA - CONTINUED			
	SANTA BARBARA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS:				
CHINOOK OR KING	-	-	1	1
SILVER OF COHO.	1	(1)	1	(1)
TOTAL	1	(1)	2	1
LINES:				
CHINOOK OR KING	240	181	4,915	3,259
SILVER OR COHO.	8	4	1,234	583
TOTAL	248	185	6,149	3,842
GRAND TOTAL	249	185	6,151	3,843

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--IN ALASKA, LANDINGS TAKEN BY HAUL SEINES ARE INCLUDED WITH THOSE TAKEN BY PURSE SEINES.

SUMMARY OF SALMON LANDINGS BY DISTRICTS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	ALASKA			
	SOUTHEASTERN		CENTRAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	4,237	2,008	706	237
CHUM OR KETA.	5,164	954	12,496	1,454
PINK.	20,454	3,439	84,317	12,160
RED OR SOCKEYE.	4,706	1,640	23,360	5,934
SILVER OR COHO.	4,355	1,579	1,943	389
TOTAL	38,916	9,620	122,822	20,174

SPECIES	ALASKA - CONTINUED			
	WESTERN		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	5,804	1,262	10,747	3,507
CHUM OR KETA.	5,007	526	22,667	2,934
PINK.	1,196	112	105,967	15,711
RED OR SOCKEYE.	43,668	10,474	71,734	18,048
SILVER OR COHO.	1,737	260	8,035	2,228
TOTAL	57,412	12,634	219,150	42,428

SPECIES	WASHINGTON			
	PUGET SOUND		WASHINGTON COAST	
	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	2,050	1,138	2,864	1,619
CHUM OR KETA.	1,560	488	583	136
PINK.	5,792	1,082	143	31
RED OR SOCKEYE.	9,479	4,079	125	64
SILVER OR COHO.	3,505	1,420	2,148	913
TOTAL	22,386	8,207	5,863	2,763

(CONTINUED ON NEXT PAGE)

SUMMARY OF SALMON LANDINGS BY DISTRICTS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	WASHINGTON - CONTINUED			
	COLUMBIA RIVER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	2,218	830	7,132	3,587
CHUM OR KETA.	1	(1)	2,144	624
PINK.	13	3	5,948	1,116
RED OR SOCKEYE.	34	14	9,638	4,157
SILVER OR COHO.	1,463	586	7,116	2,919
TOTAL	3,729	1,433	31,978	12,403

SPECIES	OREGON					
	COLUMBIA RIVER		OREGON COAST		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	3,962	1,498	1,274	677	5,236	2,175
CHUM OR KETA.	3	1	-	-	3	1
PINK.	10	2	288	63	298	65
RED OR SOCKEYE.	72	28	-	-	72	28
SILVER OR COHO.	1,614	555	3,326	1,397	4,940	1,952
TOTAL	5,661	2,084	4,888	2,137	10,549	4,221

SPECIES	CALIFORNIA					
	NORTHERN		SAN FRANCISCO		MONTEREY	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	2,318	1,494	1,562	1,041	796	544
SILVER OR COHO.	1,040	489	160	77	26	13
TOTAL	3,358	1,983	1,722	1,118	822	557

SPECIES	CALIFORNIA - CONTINUED			
	SANTA BARBARA		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CHINOOK OR KING	240	181	4,916	3,260
SILVER OR COHO.	9	4	1,235	583
TOTAL	249	185	6,151	3,843

1/ LESS THAN $500.

SUMMARY OF SALMON LANDINGS OF CATCH BY GEAR, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	HAUL SEINES	PURSE SEINES	OTTER TRAWLS	POUND NETS	FLOATING TRAPS	GILL NETS
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALASKA:						
SOUTHEASTERN.	(1)	24,030	-	-	133	7,633
CENTRAL	(1)	98,654	-	-	-	24,106
WESTERN	(1)	989	-	-	-	56,407
TOTAL	(1)	123,673	-	-	133	88,146
WASHINGTON:						
PUGET SOUND	102	12,787	-	85	-	7,717
WASHINGTON COAST.	-	-	-	-	-	2,247
COLUMBIA RIVER.	-	-	-	-	-	2,352
TOTAL	102	12,787	-	85	-	12,316
OREGON, COLUMBIA RIVER. . .	-	-	-	-	-	5,190
CALIFORNIA:						
NORTHERN.	-	-	1	-	-	-
SAN FRANCISCO	-	-	(1)	-	-	-
MONTEREY.	-	-	(1)	-	-	-
SANTA BARBARA	-	-	1	-	-	-
TOTAL	-	-	2	-	-	-
GRAND TOTAL	102	136,460	2	85	133	105,652

(CONTINUED ON NEXT PAGE)

SUMMARY OF SALMON LANDINGS OF CATCH BY GEAR, 1969 - Continued

(THOUSANDS OF POUNDS)

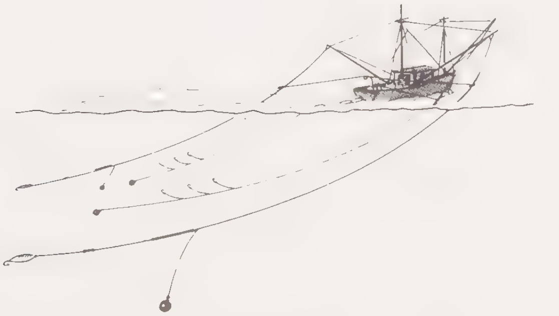
STATE AND DISTRICT	LINES	DIP NETS	REEF NETS	WHEELS	TOTAL
	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
ALASKA:					
SOUTHEASTERN.	7,120	-	-	-	38,916
CENTRAL	62	-	-	-	122,822
WESTERN	-	-	-	16	57,412
TOTAL	7,182	-	-	16	219,150
WASHINGTON:					
PUGET SOUND	986	-	709	-	22,386
WASHINGTON COAST.	3,616	-	-	-	5,863
COLUMBIA RIVER.	1,315	62	-	-	3,729
TOTAL	5,917	62	709	-	31,978
OREGON:					
COLUMBIA RIVER.	439	32	-	-	5,661
OREGON COAST.	4,888	-	-	-	4,888
TOTAL	5,327	32	-	-	10,549
CALIFORNIA:					
NORTHERN.	3,357	-	-	-	3,358
SAN FRANCISCO	1,722	-	-	-	1,722
MONTEREY.	822	-	-	-	822
SANTA BARBARA	248	-	-	-	249
TOTAL	6,149	-	-	-	6,151
GRAND TOTAL	24,575	94	709	16	267,828

1/ INCLUDED WITH PURSE SEINES.

SUMMARY OF SALMON LANDINGS BY SPECIES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	QUANTITY	VALUE
CHINOOK OR KING	28,028	12,528
CHUM OR KETA.	24,816	3,559
PINK.	112,214	16,892
RED OR SOCKEYE.	81,444	22,230
SILVER OR COHO.	21,326	7,686
TOTAL	267,828	62,895



SALMON TROLL LINE

MACKEREL FISHERIES OF THE PACIFIC COAST, 1969

Jack mackerel landings of 52.1 million pounds worth $2.1 million declined 7 percent in both volume and value compared with 1968. The harvest of jack mackerel in California was 11 percent less than the 5-year average (1964-68) and one of the smallest catches in the last decade.

Pacific mackerel landings were 2.4 million pounds worth $122,000--a decline of 25 percent in volume and 27 percent in value compared with 1968. The harvest was one of the smallest on record.

Mackerel appeared on fishing grounds off the coast of southern California early in 1969, but despite the abundance of fish, considerable fishing time and effort were lost because of high winds and choppy seas. Purse seines and lampara nets were the principal gears used in the mackerel fishery.

SUMMARY OF JACK MACKEREL LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	HAUL SEINES		PURSE SEINES AND LAMPARA NETS		OTTER TRAWLS		GILL AND TRAMMEL NETS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:								
MONTEREY	-	-	447	19	2	(1)	-	-
SANTA BARBARA	-	-	2,802	105	-	-	2	(1)
SAN PEDRO	-	-	48,667	1,843	-	-	(1)	(1)
TOTAL	-	-	51,916	1,967	2	(1)	2	(1)
HAWAII	2	1	-	-	-	-	-	-
GRAND TOTAL	2	1	51,916	1,967	2	(1)	2	(1)

STATE AND DISTRICT	LINES		DIP, BRAIL, OR SCOOP NETS 2/		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:						
MONTEREY	-	-	-	-	449	19
SANTA BARBARA	-	-	-	-	2,804	105
SAN PEDRO	-	-	1	(1)	48,668	1,843
TOTAL	-	-	1	(1)	51,921	1,967
HAWAII	126	68	82	35	210	104
GRAND TOTAL	126	68	83	35	52,131	2,071

1/ LESS THAN 500 POUNDS OR $500.
2/ INCLUDES THE LANDINGS BY BAG, LIFT, CAST AND UNCLASSIFIED NETS IN HAWAII.

SUMMARY OF PACIFIC MACKEREL LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

STATE AND DISTRICT	PURSE SEINES AND LAMPARA NETS		GILL AND TRAMMEL NETS		LINES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:						
SAN PEDRO	2,100	108	9	1	-	-
SAN DIEGO	3	1)	2	(1)	6	1
SANTA BARBARA	7	1)	-	-	-	-
TOTAL	2,110	108	11	1	6	1

STATE AND DISTRICT	DIP, BRAIL, OR SCOOP NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
CALIFORNIA:				
SAN PEDRO	230	12	2,339	121
SAN DIEGO	-	-	11	1
SANTA BARBARA	-	-	7	(1)
TOTAL	230	12	2,357	122

1/ LESS THAN $500.

REVIEW OF CERTAIN MAJOR FISHERIES

ATLANTIC COAST TUNA FISHERY, 1969

The tuna harvest along the Atlantic coast was 2.7 million pounds worth $382,000--an increase of 381,000 pounds and $88,000 compared with 1968. Landings of bluefin tuna increased sharply, chiefly in Massachusetts, and were the principal reason for the gain. Bluefin tuna was 99 percent of the total landings.

There were 33 fishermen operating 3 purse seine vessels and 3 motor boats landing tuna at ports in the New England, Middle Atlantic, and Chesapeake States. Purse seines took 91 percent of the catch; lines and pound nets, 3 percent each and harpoons 2 percent. The rest was taken with floating traps, otter trawls, and gill nets.

SUMMARY OF ATLANTIC COAST TUNA LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES AND STATE	PURSE SEINES		OTTER TRAWLS		POUND NETS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BLUEFIN:						
MASSACHUSETTS	2,464	349	1	(1)	64	11
NEW YORK	-	-	-	-	(1)	(1)
NEW JERSEY	-	-	1	(1)	-	-
TOTAL BLUEFIN	2,464	349	2	(1)	64	11
LITTLE, NEW YORK	-	-	-	-	15	1
UNCLASSIFIED, VIRGINIA	-	-	1	(1)	-	-
GRAND TOTAL	2,464	349	3	(1)	79	12

SPECIES AND STATE	FLOATING TRAPS		GILL NETS		LINES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
BLUEFIN:						
MAINE	-	-	-	-	1	(1)
MASSACHUSETTS	-	-	-	-	59	6
RHODE ISLAND	19	4	-	-	12	2
NEW YORK	-	-	-	-	12	1
NEW JERSEY	-	-	2	(1)	2	1
TOTAL BLUEFIN	19	4	2	(1)	86	10
LITTLE:						
NEW YORK	-	-	(1)	(1)	-	-
NEW JERSEY	-	-	1	(1)	-	-
TOTAL LITTLE	-	-	1	(1)	-	-
UNCLASSIFIED, MASSACHUSETTS	-	-	-	-	1	(1)
GRAND TOTAL	19	4	3	(1)	87	11

SPECIES AND STATE	HARPOONS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
BLUEFIN:				
MAINE	2	1	3	1
NEW HAMPSHIRE	12	1	12	1
MASSACHUSETTS	48	5	2,636	371
RHODE ISLAND	4	(1)	35	6
NEW YORK	-	-	12	1
NEW JERSEY	-	-	5	1
TOTAL BLUEFIN	66	[illegible]	2,703	381
LITTLE:				
NEW YORK	-	-	15	1
NEW JERSEY	-	-	1	(1)
TOTAL LITTLE	-	-	16	1
UNCLASSIFIED:				
MASSACHUSETTS	-	-	1	(1)
VIRGINIA	-	-	1	(1)
TOTAL UNCLASSIFIED	-	-	2	(1)
GRAND TOTAL	66	6	2,721	382

1/ LESS THAN 500 POUNDS OR $500.

REVIEW OF CERTAIN MAJOR FISHERIES

PACIFIC TUNA FISHERY, 1969

Domestic landings of tuna at ports along the Pacific coast and in Hawaii were 322.2 million pounds worth $54.5 million--a gain of 30.6 million pounds and $7.3 million compared with 1968. Record yellowfin tuna landings of 206.1 million pounds worth $33.4 million were 52.5 million pounds and $9.4 million more than in 1968, and accounted largely for the increase. Bluefin tuna landings (15.9 million pounds) also increased compared with 1968. However, landings of albacore (48.1 million pounds) declined 14 percent and landings of skipjack tuna (52.0 million pounds) declined 24 percent compared with 1968.

In accordance with the recommendations of the Inter-American Tropical Tuna Commission, the 1969 quota of yellowfin tuna from the regulatory area off California to the central coastline of Chile was set at 120,000 short tons and the fishery was closed on April 16, 1969. It was the fourth consecutive year that this fishery operated under a quota system designed to maintain the yellowfin population at the maximum sustainable harvest.

A total of 7,650 fishermen, 2,018 vessels, and 624 motor boats were employed in the Pacific tuna fisheries--an increase of 783 fishermen, 276 vessels, and 151 motor boats compared with 1968. Purse seines, the principal gear used in taking bluefin, skipjack, and yellowfin tuna accounted for 76 percent of the landings. Lines, used mainly in taking albacore tuna, accounted for the remaining 24 percent.

SUMMARY OF PACIFIC TUNA OPERATING UNITS, 1969

ITEM	PURSE SEINES	LINES			TOTAL, EXCLUSIVE OF DUPLICATION
		HAND		TROLL, ALBACORE	
		ALBACORE	YELLOWFIN 1/		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS	1,540	638	381	4,906	6,954
ON BOATS AND SHORE	-	38	14	652	696
TOTAL	1,540	676	395	5,558	7,650
VESSELS, MOTOR:					
5 - 9 TONS	-	-	-	180	180
10 - 19 TONS	1	19	3	862	869
20 - 29 TONS	5	19	1	367	378
30 - 39 TONS	2	22	5	201	210
40 - 49 TONS	2	13	4	102	111
50 - 59 TONS	2	12	7	47	59
60 - 69 TONS	1	8	4	18	27
70 - 79 TONS	3	5	5	13	21
80 - 89 TONS	4	3	3	3	9
90 - 99 TONS	9	2	-	5	15
100 - 109 TONS	-	4	4	1	5
110 - 119 TONS	4	1	-	1	6
120 - 129 TONS	2	3	2	1	6
130 - 139 TONS	1	2	2	4	6
140 - 149 TONS	-	1	1	-	1
150 - 159 TONS	2	-	-	-	2
160 - 169 TONS	1	1	1	1	3
180 - 189 TONS	2	2	1	-	4
190 - 199 TONS	5	6	7	2	14
210 - 219 TONS	1	-	-	-	1
230 - 239 TONS	2	-	-	-	2
250 - 259 TONS	2	1	-	-	3
260 - 269 TONS	2	-	-	-	2
270 - 279 TONS	4	1	1	-	5
290 - 299 TONS	2	-	-	-	2
300 - 309 TONS	1	-	-	-	1
310 - 319 TONS	3	1	1	-	4
320 - 329 TONS	1	-	-	-	1
330 - 339 TONS	2	1	1	-	3
340 - 349 TONS	2	-	-	-	2
350 - 359 TONS	5	-	-	-	5
360 - 369 TONS	4	-	-	-	4
370 - 379 TONS	1	-	-	-	1
380 - 389 TONS	2	-	-	-	2
390 - 399 TONS	1	-	-	-	1

(CONTINUED ON NEXT PAGE)

SUMMARY OF PACIFIC TUNA OPERATING UNITS, 1969 - Continued

ITEM	PURSE SEINES	LINES			TOTAL, EXCLUSIVE OF DUPLICATION
		HAND		TROLL, ALBACORE	
		ALBACORE	YELLOWFIN 1/		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
400 - 409 TONS.	1	-	-	-	1
410 - 419 TONS.	1	-	-	-	1
420 - 429 TONS.	2	-	-	-	2
430 - 439 TONS.	4	1	1	-	5
440 - 449 TONS.	3	1	1	-	4
460 - 469 TONS.	2	-	-	-	2
470 - 479 TONS.	6	-	-	-	6
480 - 489 TONS.	3	-	-	-	3
490 - 499 TONS.	2	-	-	-	2
560 - 569 TONS.	1	-	-	-	1
570 - 579 TONS.	1	-	-	-	1
580 - 589 TONS.	1	-	-	-	1
610 - 619 TONS.	1	-	-	-	1
630 - 639 TONS.	2	-	-	-	2
670 - 679 TONS.	5	-	-	-	5
690 - 699 TONS.	1	-	-	-	1
710 - 719 TONS.	1	-	-	-	1
720 - 729 TONS.	2	-	-	-	2
730 - 739 TONS.	1	-	-	-	1
760 - 769 TONS.	1	-	-	-	1
800 - 809 TONS.	1	-	-	-	1
810 - 819 TONS.	1	-	-	-	1
860 - 869 TONS.	6	-	-	-	6
900 - 909 TONS.	1	-	-	-	1
920 - 929 TONS.	1	-	-	-	1
1090 - 1099 TONS.	1	-	-	-	1
TOTAL VESSELS	132	129	55	1,808	2,019
TOTAL GROSS TONNAGE .	47,633	9,079	6,326	40,245	95,519
BOATS, MOTOR.	230	93	49	349	624
GEAR:					
LENGTH, YARDS	106,300	-	-	-	-
HOOKS	-	660	375	19,380	-

1/ VESSELS OF 50 TONS OR MORE CAPACITY ARE CONSIDERED CLIPPER CRAFT.

SUMMARY OF PACIFIC TUNA LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES, STATE, AND DISTRICT	PURSE SEINES		LINES		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
ALBACORE:						
WASHINGTON:						
PUGET SOUND	-	-	614	134	614	134
COASTAL	-	-	1,177	243	1,177	243
COLUMBIA RIVER.	-	-	1,770	389	1,770	389
TOTAL	-	-	3,561	766	3,561	766
OREGON:						
COLUMBIA RIVER.	-	-	22,158	4,985	22,158	4,985
COASTAL	-	-	7,670	1,630	7,670	1,630
TOTAL	-	-	29,828	6,615	29,828	6,615
CALIFORNIA:						
NORTHERN.	-	-	4,686	938	4,686	938
SAN FRANCISCO	-	-	705	141	705	141
MONTEREY.	-	-	901	184	901	184
SANTA BARBARA	-	-	1,196	246	1,196	246
SAN PEDRO	16	4	5,802	1,305	5,818	1,309
SAN DIEGO	3	1	1,413	317	1,416	318
TOTAL	19	5	14,703	3,131	14,722	3,136
HAWAII.	-	-	27	12	27	12
GRAND TOTAL, ALBACORE	19	5	48,119	10,524	48,138	10,529
BLUEFIN:						
CALIFORNIA:						
SAN PEDRO	10,435	1,666	742	118	11,177	1,784
SAN DIEGO	4,005	613	53	8	4,058	621
TOTAL	14,440	2,279	795	126	15,235	2,405
HAWAII 1/	-	-	710	674	710	674
GRAND TOTAL, BLUEFIN.	14,440	2,279	1,505	800	15,945	3,079
LITTLE, HAWAII.	-	-	37	10	37	10
SKIPJACK:						
OREGON, COLUMBIA RIVER. .	5	1	107	15	112	16
CALIFORNIA:						
SAN FRANCISCO	(2)	(2)	-	-	(2)	(2)
SAN PEDRO	29,679	3,959	4,562	608	31,241	4,567
SAN DIEGO	9,695	1,323	1,978	270	11,673	1,593
TOTAL	39,374	5,282	6,540	878	45,914	6,160
HAWAII.	-	-	5,954	1,245	5,954	1,245
GRAND TOTAL, SKIPJACK	39,379	5,283	12,601	2,138	51,980	7,421
YELLOWFIN:						
OREGON, COLUMBIA RIVER. .	1,247	207	12	2	1,259	209
CALIFORNIA:						
SAN PEDRO	149,528	24,127	10,864	1,753	160,392	25,880
SAN DIEGO	39,670	6,414	4,330	699	44,000	7,113
TOTAL	189,198	30,541	15,194	2,452	204,392	32,993
HAWAII.	-	-	412	236	412	236
GRAND TOTAL, YELLOWFIN	190,445	30,748	15,618	2,690	206,063	33,438
GRAND TOTAL, ALL SPECIES.	244,283	38,315	77,880	16,162	322,163	54,477

1/ INCLUDES THE CATCH OF BIGEYE TUNA.

2/ LESS THAN 500 POUNDS OR $500.

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. MENHADEN FISHERY, 1969

Menhaden landings of 1.5 billion pounds were 170.4 million pounds more than in 1968, and the best harvest since 1965. Menhaden was 36 percent of the U.S. production--compared with 33 percent in 1968, and 44 percent in 1962, the record year.

Gulf of Mexico landings exceeded Atlantic Ocean landings for the seventh consecutive year and accounted for 75 percent of the total. The rest of the catch was landed in the Chesapeake States (12 percent); South Atlantic States (10 percent), and Middle Atlantic States (3 percent). A negligible quantity was taken in the New England States.

Purse seines accounted for 98 percent of the landings. The rest was taken by pound nets, gill nets, haul seines, fyke and hoop nets, floating traps, trammel nets, and otter trawls.

There were 2,053 fishermen, 130 vessels, 242 motor boats, and 4 other boats employed in the menhaden fishery.

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1969

GROSS TONNAGE	MIDDLE ATLANTIC			CHESAPEAKE	SOUTH ATLANTIC		
	NEW YORK	NEW JERSEY	TOTAL, EXCLUSIVE OF DUPLICATION	VIRGINIA	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	2	2	-	-	-	-
10 - 19	-	1	1	-	-	-	-
20 - 29	-	1	1	-	-	-	-
30 - 39	-	2	2	-	-	-	-
40 - 49	-	2	2	-	1	-	1
50 - 59	-	-	-	-	1	-	1
60 - 69	-	-	-	-	2	-	2
70 - 79	-	-	-	-	1	-	1
140 - 149	-	-	-	-	-	1	1
190 - 199	-	3	3	4	5	-	5
200 - 209	-	1	1	2	3	1	4
210 - 219	-	1	1	-	1	-	1
220 - 229	-	-	-	1	-	-	-
230 - 239	1	-	1	-	-	-	-
240 - 249	-	1	1	3	5	-	5
250 - 259	-	1	1	7	8	-	8
260 - 269	-	1	1	7	6	-	6
280 - 289	-	1	1	1	2	-	2
290 - 299	1	-	1	-	1	-	1
300 - 309	1	-	1	-	-	-	-
320 - 329	-	-	-	-	1	-	1
450 - 459	-	-	-	-	1	-	1
520 - 529	-	-	-	-	1	-	1
530 - 539	-	-	-	-	1	-	1
540 - 549	-	-	-	1	1	-	1
550 - 559	-	-	-	1	1	-	1
TOTAL VESSELS	3	17	20	27	42	2	44
TOTAL GROSS TONNAGE	835	2,265	3,100	7,178	10,768	348	11,116

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF MENHADEN PURSE SEINE VESSELS, BY TONNAGE GROUPS, 1969 - Continued

GROSS TONNAGE	GULF					GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	FLORIDA, WEST COAST	MISSISSIPPI	LOUISIANA	TEXAS.	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	-	-	-	-	2
10 - 19	-	-	-	-	-	1
20 - 29	-	-	-	-	-	1
30 - 39	-	-	-	-	-	2
40 - 49	-	-	1	1	1	4
50 - 59	-	-	-	-	-	1
60 - 69	-	-	-	-	-	2
70 - 79	-	-	-	-	-	1
120 - 129	1	-	-	-	1	1
140 - 149	-	-	-	-	-	1
160 - 169	-	-	1	-	1	1
170 - 179	-	1	4	3	5	5
180 - 189	-	-	3	2	3	3
190 - 199	-	4	4	2	8	14
200 - 209	-	-	-	-	-	4
210 - 219	-	-	1	-	1	2
220 - 229	-	2	1	-	3	4
230 - 239	-	-	-	-	-	1
240 - 249	-	-	1	-	1	6
250 - 259	-	1	2	-	3	11
260 - 269	-	-	2	-	2	9
270 - 279	-	-	1	-	1	1
280 - 289	-	-	2	-	2	4
290 - 299	-	1	-	-	1	2
300 - 309	-	-	-	-	-	1
310 - 319	-	-	2	-	2	2
320 - 329	-	-	1	-	1	2
360 - 369	-	-	2	-	2	2
370 - 379	-	-	2	-	2	2
380 - 389	-	-	2	-	2	2
410 - 419	-	-	2	-	2	2
430 - 439	-	-	1	-	1	1
450 - 459	-	1	-	-	1	1
460 - 469	-	-	1	1	1	1
470 - 479	-	3	2	-	5	5
480 - 489	-	-	2	-	2	2
500 - 509	-	-	1	-	1	1
510 - 519	-	-	2	-	2	2
520 - 529	-	1	4	-	5	5
530 - 539	-	1	9	-	10	10
540 - 549	-	-	-	-	-	1
550 - 559	-	-	1	-	1	2
600 - 609	-	-	1	1	1	1
610 - 619	-	-	1	1	1	1
640 - 649	-	-	1	1	1	1
TOTAL VESSELS	1	15	60	12	76	130
TOTAL GROSS TONNAGE	123	4,887	22,550	3,650	27,560	38,587

SUMMARY OF MENHADEN PURSE SEINE OPERATING UNITS, 1969

AREA AND STATE	VESSELS		BOATS		FISHERMEN	PURSE SEINES	
			MOTOR	OTHER			
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	NUMBER	NUMBER	LENGTH IN YARDS
MIDDLE ATLANTIC:							
NEW YORK.	3	835	6	-	51	3	1,308
NEW JERSEY.	17	2,265	20	4	214	17	6,415
TOTAL, EXCLUSIVE OF DUPLICATION.	20	3,100	26	4	265	20	7,723
CHESAPEAKE, VIRGINIA, TOTAL, EXCLUSIVE OF DUPLICATION .	27	7,178	54	-	437	27	10,160
SOUTH ATLANTIC:							
NORTH CAROLINA.	42	10,768	84	-	709	42	16,800
FLORIDA, EAST COAST . . .	2	348	4	-	27	2	880
TOTAL, EXCLUSIVE OF DUPLICATION.	44	11,116	88	-	736	44	17,680
GULF:							
FLORIDA, WEST COAST . . .	1	123	1	-	7	1	300
MISSISSIPPI	15	4,887	30	-	256	15	7,500
LOUISIANA	60	22,550	117	-	990	60	32,634
TEXAS	12	3,650	23	-	191	12	5,645
TOTAL, EXCLUSIVE OF DUPLICATION.	76	27,560	146	-	1,227	76	40,434
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	130	38,587	242	4	2,097	130	62,392

SUMMARY OF MENHADEN LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	HAUL SEINES		PURSE SEINES		OTTER TRAWLS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND, RHODE ISLAND	-	-	-	-	(1)	(1)
MIDDLE ATLANTIC:						
NEW YORK.	-	-	9,097	201	-	-
NEW JERSEY.	-	-	32,440	548	3	(1)
TOTAL	-	-	41,537	749	3	(1)
CHESAPEAKE:						
MARYLAND.	4	(1)	-	-	-	-
VIRGINIA.	114	2	161,719	2,345	-	-
TOTAL	118	2	161,719	2,345	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA.	-	-	145,102	2,226	-	-
SOUTH CAROLINA.	245	4	-	-	-	-
FLORIDA, EAST COAST . . .	-	-	18,583	234	-	-
TOTAL	245	4	163,685	2,460	-	-
GULF:						
FLORIDA, WEST COAST . . .	115	4	80	3	-	-
MISSISSIPPI	-	-	225,377	3,306	-	-
LOUISIANA	-	-	856,251	12,764	-	-
TEXAS	-	-	73,193	1,233	-	-
TOTAL	115	4	1,154,901	17,306	-	-
GRAND TOTAL	478	10	1,521,842	22,860	3	(1)

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

SUMMARY OF MENHADEN LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	POUND NETS		FLOATING TRAPS		FYKE AND HOOP NETS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	12	(1)	-	-	-	-
RHODE ISLAND.	-	-	21	1	-	-
TOTAL	12	(1)	21	1	-	-
MIDDLE ATLANTIC:						
NEW YORK.	646	28	-	-	-	-
NEW JERSEY.	1,455	63	-	-	-	-
TOTAL	2,101	91	-	-	-	-
CHESAPEAKE:						
MARYLAND.	3,257	93	-	-	-	-
VIRGINIA.	16,204	374	-	-	143	3
TOTAL	19,461	467	-	-	143	3
SOUTH ATLANTIC, NORTH CAROLINA	70	1	-	-	-	-
GRAND TOTAL	21,644	559	21	1	143	3

AREA AND STATE	GILL NETS		TRAMMEL NETS		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	-	-	-	-	12	(1)
RHODE ISLAND.	-	-	-	-	21	1
CONNECTICUT	13	(1)	-	-	13	(1)
TOTAL	13	(1)	-	-	46	1
MIDDLE ATLANTIC:						
NEW YORK.	19	1	-	-	9,762	230
NEW JERSEY.	95	3	-	-	33,993	614
TOTAL	114	4	-	-	43,755	844
CHESAPEAKE:						
MARYLAND.	195	5	-	-	3,456	98
VIRGINIA.	15	(1)	-	-	178,195	2,724
TOTAL	210	5	-	-	181,651	2,822
SOUTH ATLANTIC:						
NORTH CAROLINA.	63	1	-	-	145,235	2,228
SOUTH CAROLINA.	-	-	-	-	245	4
FLORIDA, EAST COAST . . .	811	25	-	-	19,394	259
TOTAL	874	26	-	-	164,874	2,491
GULF:						
FLORIDA, WEST COAST . . .	183	6	4	(1)	382	13
MISSISSIPPI	-	-	-	-	225,377	3,306
LOUISIANA	-	-	-	-	856,251	12,764
TEXAS	-	-	-	-	73,193	1,233
TOTAL	183	6	4	(1)	1,155,203	17,316
GRAND TOTAL	1,394	41	4	(1)	1,545,529	23,474

1/ LESS THAN 500 POUNDS OR $500.

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. CLAM FISHERY, 1969

Record landings of 80.7 million pounds of clam meats worth a record $25.2 million were 13.5 million pounds (20 percent) and $4.5 million (22 percent) more than in 1968. Compared with the previous year, the harvest was greater in all regions. The greatest increase was in surf clam landings of 49.6 million pounds--a gain of 9.0 million compared with 1968. The surf clam harvest increased sharply in both the Middle Atlantic and Chesapeake States.

Surf clams, landed principally in New Jersey, accounted for 61 percent of the volume; hard clams, 20 percent; and soft clams, 17 percent. The rest consisted of ocean quahog, rangia, razor, sunray venus, and mixed clams. The Middle Atlantic States led with 65 percent of the landings; followed by the Chesapeake States with 22 percent, New England, 11 percent, and the Pacific Coast, Gulf, and South Atlantic States with the remaining 2 percent.

Dredges took 63.6 million pounds (79 percent), rakes and hoes, 5.3 million each (7 percent each), and tongs, 4.9 million pounds (6 percent). The remainder of the catch was taken with forks, shovels, or gathered by hand.

In Section 13 of this digest, under the heading "Conversion Factors", there is a table which gives the average State yield per U.S. standard bushel for clams taken on the Atlantic and Gulf coasts. Supplementary shellfish tables appear after the summary tables for each Atlantic and Gulf Regional section.

SUMMARY OF CLAM LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	HARD		OCEAN QUAHOG		RANGIA	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	9	10	-	-	-	-
MASSACHUSETTS	1,159	987	82	17	-	-
RHODE ISLAND.	1,232	754	472	69	-	-
CONNECTICUT	303	124	85	13	-	-
TOTAL	2,703	1,875	639	99	-	-
MIDDLE ATLANTIC:						
NEW YORK.	7,516	8,179	-	-	-	-
NEW JERSEY.	2,264	1,242	-	-	-	-
DELAWARE.	135	70	-	-	-	-
TOTAL	9,915	9,491	-	-	-	-
CHESAPEAKE:						
MARYLAND.	794	463	-	-	-	-
VIRGINIA.	1,903	1,200	-	-	-	-
TOTAL	2,697	1,663	-	-	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA.	252	141	-	-	40	13
SOUTH CAROLINA.	89	36	-	-	-	-
GEORGIA	1	(1)	-	-	-	-
FLORIDA, EAST COAST . . .	41	20	-	-	-	-
TOTAL	383	197	-	-	40	13
GULF, FLORIDA, WEST COAST. . . .	11	6	-	-	-	-
PACIFIC COAST, WASHINGTON.	445	213	-	-	-	-
GRAND TOTAL	16,154	13,445	639	99	40	13

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF CLAM LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	RAZOR		SOFT		SUNRAY VENUS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	4,135	1,752	-	-
MASSACHUSETTS	2	2	1,177	878	-	-
RHODE ISLAND	-	-	18	12	-	-
CONNECTICUT	-	-	(1)	(1)	-	-
TOTAL	2	2	5,330	2,642	-	-
MIDDLE ATLANTIC:						
NEW YORK	-	-	170	76	-	-
NEW JERSEY	-	-	71	36	-	-
TOTAL	-	-	241	112	-	-
CHESAPEAKE, MARYLAND	-	-	7,910	2,800	-	-
GULF, FLORIDA, WEST COAST	-	-	-	-	636	65
PACIFIC COAST:						
ALASKA	86	25	-	-	-	-
WASHINGTON	106	101	-	-	-	-
OREGON	11	14	-	-	-	-
TOTAL	203	140	-	-	-	-
GRAND TOTAL	205	142	13,481	5,554	636	65

AREA AND STATE	SURF		MIXED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	4,144	1,762
MASSACHUSETTS	13	3	-	-	2,433	1,887
RHODE ISLAND	-	-	-	-	1,722	835
CONNECTICUT	-	-	-	-	388	137
TOTAL	13	3	-	-	8,687	4,621
MIDDLE ATLANTIC:						
NEW YORK	3,431	390	-	-	11,117	8,645
NEW JERSEY	36,039	4,278	-	-	38,374	5,556
DELAWARE	2,757	324	-	-	2,892	394
TOTAL	42,227	4,992	-	-	52,383	14,595
CHESAPEAKE:						
MARYLAND	7,127	894	-	-	15,831	4,157
VIRGINIA	208	24	-	-	2,111	1,224
TOTAL	7,335	918	-	-	17,942	5,381
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	-	-	292	154
SOUTH CAROLINA	-	-	-	-	89	36
GEORGIA	-	-	-	-	1	(1)
FLORIDA, EAST COAST	-	-	-	-	41	20
TOTAL	-	-	-	-	423	210
GULF, FLORIDA, WEST COAST	-	-	-	-	647	71
PACIFIC COAST:						
ALASKA	-	-	-	-	86	25
WASHINGTON	-	-	11	3	562	317
OREGON	-	-	4	4	15	18
TOTAL	-	-	15	7	663	360
GRAND TOTAL	49,575	5,913	15	7	80,745	25,238

1/ LESS THAN 500 POUNDS OR $500.

SUMMARY OF CLAM LANDINGS OF CATCH BY GEAR, 1969

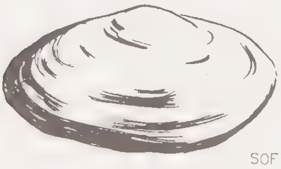
(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	HARD		OCEAN QUAHOG		RANGIA	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES	4,758	3,729	639	99	40	13
TONGS	4,880	3,941	-	-	-	-
RAKES	5,111	4,980	-	-	-	-
HOES	9	10	-	-	-	-
SHOVELS	266	137	-	-	-	-
BY HAND	1,130	648	-	-	-	-
TOTAL	16,154	13,445	639	99	40	13

GEAR	RAZOR		SOFT		SUNRAY VENUS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES	-	-	7,910	2,801	636	65
TONGS	-	-	2	1	-	-
RAKES	-	-	209	112	-	-
HOES	2	2	5,317	2,615	-	-
FORKS	-	-	8	8	-	-
SHOVELS	203	140	-	-	-	-
BY HAND	-	-	35	17	-	-
TOTAL	205	142	13,481	5,554	636	65

GEAR	SURF		MIXED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
DREDGES	49,574	5,913	10	3	63,567	12,623
TONGS	-	-	-	-	4,882	3,942
RAKES	1	(1)	-	-	5,321	5,092
HOES	-	-	-	-	5,328	2,627
FORKS	-	-	-	-	8	8
SHOVELS	-	-	5	4	474	281
BY HAND	-	-	-	-	1,165	665
TOTAL	49,575	5,913	15	7	80,745	25,238

1/ LESS THAN $500.

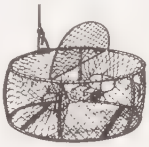

SOFT CLAM

U.S. CRAB FISHERY, 1969

Crab landings of 257.3 million pounds worth $43.1 million increased 2.8 million pounds but declined $1.3 million compared with 1968.

The harvest was greater in all major areas except the Pacific Coast States where landings of king crabs (57.7 million pounds) declined 70 percent and Dungeness crabs (48.1 million pounds) declined 4 percent compared with the previous year. A record 11.2-million-pound production of snow crabs was 245 percent more than in 1968. Along the Atlantic and Gulf coasts, landings of hard blue crabs (132.2 million pounds) increased 18.6 million and soft blue crabs (4.5 million) increased 2.3 million pounds compared with 1968.

The Pacific Coast States led in volume with 117.5 million pounds (46 percent) followed by the Chesapeake States with 60.9 million (24 percent); South Atlantic States, 41.5 million (16 percent); and Gulf States, 34.6 million (13 percent). The rest was landed in the New England and Middle Atlantic States, and Hawaii.



DUNGENESS CRAB POT

SUMMARY OF CRAB POT OPERATING UNITS, 1969

ITEM	NEW ENGLAND				
	NEW HAMPSHIRE	MASSACHUSETTS	RHODE ISLAND	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE.	16	2	1	3	22
BOATS, MOTOR.	12	2	1	2	17
GEAR, NUMBER.	280	50	140	50	520

ITEM	MIDDLE ATLANTIC			CHESAPEAKE		
	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	3	-	3	201	357	556
ON BOATS AND SHORE. . . .	39	32	71	683	1,115	1,798
TOTAL FISHERMEN . . .	42	32	74	884	1,472	2,354
VESSELS, MOTOR:						
5 - 9 TONS	2	-	2	158	213	369
10 - 19 TONS	-	-	-	32	22	54
20 - 29 TONS	-	-	-	-	1	1
TOTAL VESSELS	2	-	2	190	236	424
TOTAL GROSS TONNAGE .	15	-	15	1,512	1,736	3,232
BOATS, MOTOR.	39	20	59	653	971	1,624
GEAR, NUMBER.	2,561	1,877	4,438	77,150	153,045	229,995

(CONTINUED ON NEXT PAGE)

SUMMARY OF CRAB POT OPERATING UNITS, 1969 - Continued

ITEM	SOUTH ATLANTIC				
	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	12	-	-	2	14
ON BOATS AND SHORE. . . .	359	150	151	197	857
TOTAL FISHERMEN . . .	371	150	151	199	871
VESSELS, MOTOR:					
5 - 9 TONS	7	-	-	-	7
10 - 19 TONS	1	-	-	1	2
TOTAL VESSELS	8	-	-	1	9
TOTAL GROSS TONNAGE .	61	-	-	14	75
BOATS, MOTOR.	359	150	104	192	805
GEAR, NUMBER.	24,740	8,680	6,595	32,300	72,315

ITEM	GULF					
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:						
ON VESSELS.	30	-	-	-	-	30
ON BOATS AND SHORE. . . .	359	85	71	594	95	1,204
TOTAL FISHERMEN . . .	389	85	71	594	95	1,234
VESSELS, MOTOR:						
5 - 9 TONS	5	-	-	-	-	5
10 - 19 TONS	6	-	-	-	-	6
30 - 39 TONS	2	-	-	-	-	2
40 - 49 TONS	2	-	-	-	-	2
TOTAL VESSELS	15	-	-	-	-	15
TOTAL GROSS TONNAGE .	270	-	-	-	-	270
BOATS, MOTOR.	314	77	54	480	95	1,020
GEAR, NUMBER.	64,896	13,490	4,250	67,925	14,440	165,001

ITEM	PACIFIC				
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:					
ON VESSELS.	780	248	363	1,066	2,274
ON BOATS AND SHORE. . . .	383	108	68	206	765
TOTAL FISHERMEN . . .	1,163	356	431	1,272	3,039
VESSELS, MOTOR:					
5 - 9 TONS	7	10	13	41	69
10 - 19 TONS	37	35	67	201	322
20 - 29 TONS	27	20	32	75	136
30 - 39 TONS	19	18	25	24	75
40 - 49 TONS	28	7	4	17	51
50 - 59 TONS	19	3	5	6	30
60 - 69 TONS	8	2	-	-	10
70 - 79 TONS	6	-	-	3	9
80 - 89 TONS	10	1	1	-	10
90 - 99 TONS	8	-	-	1	9
100 - 109 TONS	13	1	-	-	13
110 - 119 TONS	8	2	-	-	9
120 - 129 TONS	7	-	-	-	7
130 - 139 TONS	5	-	-	-	5
140 - 149 TONS	9	-	-	-	9
150 - 159 TONS	3	-	-	-	3
160 - 169 TONS	10	-	-	-	10
170 - 179 TONS	7	-	-	-	7
180 - 189 TONS	9	-	-	-	9
190 - 199 TONS	13	-	-	-	13

(CONTINUED ON NEXT PAGE)

SUMMARY OF CRAB POT OPERATING UNITS, 1969 - Continued

ITEM	PACIFIC				
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
280 - 289 TONS	1	-	-	-	1
290 - 299 TONS	1	-	-	-	1
320 - 329 TONS	1	-	-	-	1
340 - 349 TONS	1	-	-	-	1
430 - 439 TONS	1	-	-	-	1
480 - 489 TONS	1	-	-	-	1
490 - 499 TONS	1	-	-	-	1
TOTAL VESSELS	260	99	147	368	813
TOTAL GROSS TONNAGE .	22,171	2,672	3,176	7,014	33,160
BOATS:					
MOTOR	151	67	43	103	364
OTHER	-	1	-	-	1
GEAR, NUMBER.	45,528	29,950	44,900	44,514	173,597

SUMMARY OF CRAB TROT LINE OPERATING UNITS, 1969

ITEM	CHESAPEAKE		SOUTH ATLANTIC	
	MARYLAND	VIRGINIA	NORTH CAROLINA	SOUTH CAROLINA
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	140	7	2	-
ON BOATS AND SHORE. . . .	3,079	43	146	6
TOTAL FISHERMEN . . .	3,219	50	148	6
VESSELS, MOTOR:				
5 - 9 TONS	115	3	2	-
10 - 19 TONS	22	1	-	-
TOTAL VESSELS	137	4	2	-
TOTAL GROSS TONNAGE .	1,058	30	14	-
BOATS, MOTOR.	2,781	41	146	6
GEAR:				
NUMBER.	3,216	47	148	12
BAITS	1,011,445	27,900	106,000	4,888

ITEM	GULF		TOTAL, EXCLUSIVE OF DUPLICATION
	MISSISSIPPI	LOUISIANA	
	NUMBER	NUMBER	NUMBER
FISHERMEN:			
ON VESSELS.	-	-	149
ON BOATS AND SHORE. . . .	4	571	3,849
TOTAL FISHERMEN . . .	4	571	3,998
VESSELS, MOTOR:			
5 - 9 TONS	-	-	120
10 - 19 TONS	-	-	23
TOTAL VESSELS	-	-	143
TOTAL GROSS TONNAGE .	-	-	1,102
BOATS, MOTOR.	4	571	3,549
GEAR:			
NUMBER.	4	571	3,998
BAITS	2,400	375,530	1,528,163

SUMMARY OF CRAB OTTER TRAWL OPERATING UNITS, 1969

ITEM	SOUTH ATLANTIC			TOTAL, EXCLUSIVE OF DUPLICATION
	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	190	14	46	250
ON BOATS AND SHORE. . . .	166	14	40	220
TOTAL FISHERMEN . . .	356	28	86	470
VESSELS, MOTOR:				
5 - 9 TONS.	40	-	3	43
10 - 19 TONS.	27	3	6	36
20 - 29 TONS.	15	-	3	18
30 - 39 TONS.	7	-	3	10
40 - 49 TONS.	4	2	3	9
50 - 59 TONS.	1	1	3	5
60 - 69 TONS.	2	1	1	4
70 - 79 TONS.	1	-	-	1
80 - 89 TONS.	1	-	-	1
90 - 99 TONS.	-	-	1	1
TOTAL VESSELS	98	7	23	128
TOTAL GROSS TONNAGE .	1,819	257	730	2,806
BOATS, MOTOR.	135	12	26	173
GEAR:				
NUMBER.	290	26	70	386
YARDS AT MOUTH.	3,543	451	1,076	5,070

SUMMARY OF CRAB DREDGE OPERATING UNITS, 1969

ITEM	MIDDLE ATLANTIC		CHESAPEAKE, VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NEW JERSEY	DELAWARE		
	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:				
ON VESSELS.	10	4	434	448
ON BOATS AND SHORE. . . .	4	-	8	12
TOTAL FISHERMEN . . .	14	4	442	460
VESSELS, MOTOR:				
5 - 9 TONS.	1	-	48	49
10 - 19 TONS.	3	-	66	69
20 - 29 TONS.	-	-	32	32
30 - 39 TONS.	-	1	12	13
40 - 49 TONS.	-	-	6	6
50 - 59 TONS.	-	-	1	1
60 - 69 TONS.	-	-	2	2
TOTAL VESSELS	4	1	167	172
TOTAL GROSS TONNAGE .	49	30	2,857	2,936
BOATS, MOTOR.	2	-	8	10
GEAR:				
NUMBER.	10	2	300	312
YARDS AT MOUTH.	18	3	511	532

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF CRAB LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	BLUE				DUNGENESS	
	HARD		SOFT AND PEELER			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
MIDDLE ATLANTIC:						
NEW JERSEY	622	83	9	2	-	-
DELAWARE	510	62	3	2	-	-
TOTAL	1,132	145	12	4	-	-
CHESAPEAKE:						
MARYLAND	23,014	2,197	2,251	933	-	-
VIRGINIA	33,640	3,177	1,971	706	-	-
TOTAL	56,654	5,374	4,222	1,639	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA	22,159	2,125	93	42	-	-
SOUTH CAROLINA	8,250	675	-	-	-	-
GEORGIA	5,147	438	-	-	-	-
FLORIDA, EAST COAST	5,724	557	(1)	(1)	-	-
TOTAL	41,280	3,795	93	42	-	-
GULF:						
FLORIDA, WEST COAST	11,584	1,074	(1)	(1)	-	-
ALABAMA	1,920	223	-	-	-	-
MISSISSIPPI	1,740	177	(1)	(1)	-	-
LOUISIANA	11,602	1,072	197	161	-	-
TEXAS	6,343	599	-	-	-	-
TOTAL	33,189	3,145	197	161	-	-
PACIFIC COAST:						
ALASKA	-	-	-	-	11,304	1,620
WASHINGTON	-	-	-	-	19,028	4,477
OREGON	-	-	-	-	9,784	2,655
CALIFORNIA	-	-	-	-	7,939	2,295
TOTAL	-	-	-	-	48,055	11,047
GRAND TOTAL	132,255	12,459	4,524	1,846	48,055	11,047

AREA AND STATE	GREEN		KING		ROCK	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	-	-	-	-	1,185	66
NEW HAMPSHIRE	38	4	-	-	10	1
MASSACHUSETTS	4	1	-	-	-	-
RHODE ISLAND	8	1	-	-	297	37
CONNECTICUT	4	(1)	-	-	-	-
TOTAL	54	6	-	-	1,492	104
MIDDLE ATLANTIC, NEW JERSEY	-	-	-	-	83	4
PACIFIC COAST:						
ALASKA	-	-	57,730	15,644	-	-
CALIFORNIA	-	-	-	-	500	55
TOTAL	-	-	57,730	15,644	500	55
GRAND TOTAL	54	6	57,730	15,644	2,075	163

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

DUNGENESS CRAB

SUMMARY OF CRAB LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	SNOW		STONE		OTHER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:								
MAINE	-	-	-	-	-	-	1,185	66
NEW HAMPSHIRE	-	-	-	-	-	-	48	5
MASSACHUSETTS	-	-	-	-	-	-	4	1
RHODE ISLAND	-	-	-	-	-	-	305	38
CONNECTICUT	-	-	-	-	-	-	4	(1)
TOTAL	-	-	-	-	-	-	1,546	110
MIDDLE ATLANTIC:								
NEW JERSEY	-	-	-	-	-	-	714	89
DELAWARE	-	-	-	-	-	-	513	64
TOTAL	-	-	-	-	-	-	1,227	153
CHESAPEAKE:								
MARYLAND	-	-	-	-	-	-	25,265	3,130
VIRGINIA	-	-	-	-	-	-	35,611	3,883
TOTAL	-	-	-	-	-	-	60,876	7,013
SOUTH ATLANTIC:								
NORTH CAROLINA	-	-	-	-	-	-	22,252	2,167
SOUTH CAROLINA	-	-	-	-	-	-	8,250	675
GEORGIA	-	-	-	-	-	-	5,147	438
FLORIDA, EAST COAST	-	-	108	60	-	-	5,832	617
TOTAL	-	-	108	60	-	-	41,481	3,897
GLUF:								
FLORIDA, WEST COAST	-	-	1,258	696	-	-	12,842	1,770
ALABAMA	-	-	-	-	-	-	1,920	223
MISSISSIPPI	-	-	-	-	-	-	1,740	177
LOUISIANA	-	-	-	-	-	-	11,799	1,233
TEXAS	-	-	-	-	-	-	6,343	599
TOTAL	-	-	1,258	696	-	-	34,644	4,002
PACIFIC COAST:								
ALASKA	11,207	1,133	-	-	-	-	80,241	18,397
WASHINGTON	-	-	-	-	-	-	19,028	4,477
OREGON	-	-	-	-	-	-	9,784	2,655
CALIFORNIA	-	-	-	-	-	-	8,439	2,350
TOTAL	11,207	1,133	-	-	-	-	117,492	27,879
HAWAII	-	-	-	-	59	65	59	65
GRAND TOTAL	11,207	1,133	1,366	756	59	65	257,325	43,119

1/ LESS THAN 500 POUNDS OR $500.

STONE CRAB

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF CRAB LANDINGS OF CATCH BY GEAR, 1969

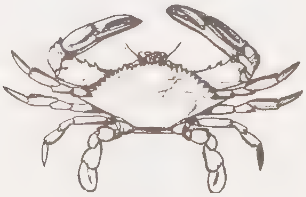
(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

GEAR	BLUE				DUNGENESS	
	HARD		SOFT AND PEELER			
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES, COMMON	7	1	-	-	-	-
OTTER TRAWLS	11,588	1,095	71	31	38	12
POUND NETS	972	86	470	183	-	-
POTS	92,918	8,574	1,329	521	48,017	11,035
LINES, TROT WITH BAITS	18,033	1,854	188	81	-	-
DIP NETS	849	78	126	67	-	-
SCRAPES	130	10	1,741	717	-	-
DREDGES	7,758	761	500	170	-	-
BUSH TRAPS	-	-	78	64	-	-
BY HAND	-	-	21	12	-	-
TOTAL	132,255	12,459	4,524	1,846	48,055	11,047

GEAR	GREEN		KING		ROCK	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
OTTER TRAWLS	-	-	-	-	84	4
POTS	54	6	57,730	15,644	1,991	159
TOTAL	54	6	57,730	15,644	2,075	163

GEAR	SNOW		STONE	
	QUANTITY	VALUE	QUANTITY	VALUE
POTS, TOTAL	11,207	1,133	1,366	756

GEAR	OTHER		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
HAUL SEINES, COMMON	3	3	10	4
OTTER TRAWLS	-	-	11,781	1,142
POUND NETS	-	-	1,442	269
POTS	5	4	214,617	37,832
LINES, TROT WITH BAITS	-	-	18,221	1,935
DIP NETS	-	-	975	145
LIFT NETS	40	46	40	46
SCRAPES	-	-	1,871	727
DREDGES	-	-	8,258	931
BUSH TRAPS	-	-	78	64
BY HAND	-	-	21	12
UNCLASSIFIED	11	12	11	12
TOTAL	59	65	257,325	43,119



BLUE CRAB

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. OYSTER FISHERY, 1969

The U.S. oyster fishery yielded 52.2 million pounds of meats worth $27.5 million--a decrease of 9.7 million pounds and $4.5 million compared with 1968. Landings declined in all regions, but principally in the Gulf States where the 19.8-million-pound production was 7.0 million less than in 1968. Hurricane damage and high mortality on the reefs were contributing factors to the smaller landings. Also, Gulf canners were buying fewer oysters because of the increasing competition from low-priced imported canned oysters. In the South Atlantic States, landings of 1.8 million pounds declined 1.1 million compared with 1968.

The Chesapeake States led in production in 22.2 million pounds of oyster meats, followed by the Gulf States, 19.8 million, and the Pacific Coast States, 7.0 million pounds. The Chesapeake and Gulf States accounted for 80 percent of the landings.

Dredges took 32.7 million pounds (63 percent) of the oyster landings, and tongs, 18.6 million pounds (36 percent). The rest was taken with rakes and forks, or gathered by hand.

In Section 16 of this digest is a table which gives the volume of the bushel measures used for oysters in the various Atlantic and Gulf States and the average yield per bushel. Supplementary shellfish tables appear after the summary tables for each Atlantic and Gulf regional section.

SUMMARY OF OYSTER DREDGE OPERATING UNITS, 1969

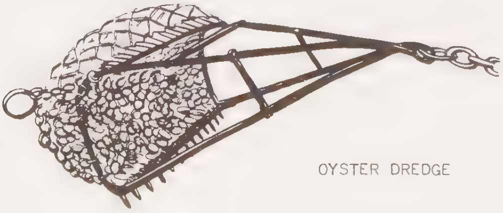
ITEM	NEW ENGLAND			MIDDLE ATLANTIC			
	MASSACHUSETTS	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	-	23	23	32	153	11	196
ON BOATS AND SHORE. . . .	1	-	1	-	15	2	17
TOTAL FISHERMEN . . .	1	23	24	32	168	13	213
VESSELS, MOTOR:							
5 - 9 TONS	-	-	-	-	2	-	2
10 - 19 TONS	-	5	5	2	4	1	7
20 - 29 TONS	-	2	2	1	1	-	2
30 - 39 TONS	-	2	2	1	6	-	7
40 - 49 TONS	-	-	-	1	1	1	3
50 - 59 TONS	-	-	-	1	4	-	5
60 - 69 TONS	-	-	-	2	1	-	3
TOTAL VESSELS	-	9	9	8	19	2	29
TOTAL GROSS TONNAGE .	-	189	189	307	634	56	997
BOATS, MOTOR.	1	-	1	-	9	2	11
GEAR:							
NUMBER.	1	17	18	13	48	6	67
YARDS AT MOUTH.	1	24	25	21	48	10	79

(CONTINUED ON NEXT PAGE)

SUMMARY OF OYSTER DREDGE OPERATING UNITS, 1969 - Continued

ITEM	CHESAPEAKE			SOUTH ATLANTIC			GULF	
	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION	NORTH CAROLINA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION	ALABAMA	MISSISSIPPI
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS.	278	306	582	24	-	24	13	264
ON BOATS AND SHORE. . . .	72	199	271	139	2	141	-	60
TOTAL FISHERMEN . . .	350	505	853	163	2	165	13	324
VESSELS, MOTOR:								
5 - 9 TONS.	25	88	112	15	-	15	-	3
10 - 19 TONS.	24	32	56	3	-	3	2	25
20 - 29 TONS.	4	6	10	1	-	1	-	31
30 - 39 TONS.	2	-	2	-	-	-	1	17
40 - 49 TONS.	-	-	-	-	-	-	-	5
TOTAL VESSELS	55	126	180	19	-	19	3	81
TOTAL GROSS TONNAGE .	636	1,213	1,841	165	-	165	59	1,913
BOATS, MOTOR.	32	101	133	123	1	124	-	23
GEAR:								
NUMBER.	145	271	415	153	2	155	6	208
YARDS AT MOUTH.	165	300	464	206	2	208	9	243

ITEM	GULF - CONTINUED			PACIFIC			
	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION	WASHINGTON	OREGON	CALIFORNIA	TOTAL EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:							
ON VESSELS.	638	362	1,135	60	7	-	67
ON BOATS AND SHORE. . . .	358	181	599	12	-	11	23
TOTAL FISHERMEN . . .	996	543	1,734	72	7	11	90
VESSELS, MOTOR:							
5 - 9 TONS.	29	16	47	-	1	-	1
10 - 19 TONS.	101	99	208	14	1	-	15
20 - 29 TONS.	64	37	113	8	1	-	9
30 - 39 TONS.	30	11	45	4	-	-	4
40 - 49 TONS.	7	5	12	3	-	-	3
50 - 59 TONS.	2	1	3	-	-	-	-
TOTAL VESSELS	233	169	428	29	3	-	32
TOTAL GROSS TONNAGE .	4,569	2,973	8,097	673	43	-	716
BOATS, MOTOR.	184	88	295	6	-	5	11
GEAR:							
NUMBER.	761	257	1,161	64	6	5	75
YARDS AT MOUTH.	859	257	1,292	124	12	4	140



OYSTER DREDGE

SUMMARY OF OYSTER TONG OPERATING UNITS, 1969

ITEM	NEW ENGLAND			MIDDLE ATLANTIC			
	MASSACHUSETTS	CONNECTICUT	TOTAL, EXCLUSIVE OF DUPLICATION	NEW YORK	NEW JERSEY	DELAWARE	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN, ON BOATS AND SHORE	20	2	22	4	107	25	136
BOATS:							
MOTOR	13	2	15	4	83	25	112
OTHER	2	-	2	-	-	-	-
GEAR, NUMBER	20	2	22	4	107	25	136

ITEM	CHESAPEAKE			SOUTH ATLANTIC				
	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	389	636	1,019	-	-	-	-	-
ON BOATS AND SHORE	3,656	2,059	5,715	254	95	55	36	440
TOTAL FISHERMEN	4,045	2,695	6,734	254	95	55	36	440
VESSELS, MOTOR:								
5 - 9 TONS	298	262	545	-	-	-	-	-
10 - 19 TONS	65	37	101	-	-	-	-	-
TOTAL VESSELS	363	299	646	-	-	-	-	-
TOTAL GROSS TONNAGE	2,931	2,296	5,097	-	-	-	-	-
BOATS:								
MOTOR	3,262	1,447	4,709	254	95	55	36	440
OTHER	-	-	-	-	-	30	-	30
GEAR, NUMBER	4,045	2,695	6,734	254	95	55	36	440

ITEM	GULF						PACIFIC	GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION	CALIFORNIA	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
FISHERMEN:								
ON VESSELS	16	-	-	-	-	16	-	1,035
ON BOATS AND SHORE	676	639	480	182	35	2,012	36	8,361
TOTAL FISHERMEN	692	639	480	182	35	2,028	36	9,396
VESSELS, MOTOR:								
5 - 9 TONS	1	-	-	-	-	1	-	546
10 - 19 TONS	6	-	-	-	-	6	-	107
30 - 39 TONS	1	-	-	-	-	1	-	1
TOTAL VESSELS	8	-	-	-	-	8	-	654
TOTAL GROSS TONNAGE	108	-	-	-	-	108	-	5,205
BOATS:								
MOTOR	546	316	485	122	35	1,504	18	6,798
OTHER	-	38	6	8	-	52	-	84
GEAR, NUMBER	692	639	475	182	35	2,023	36	9,355

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF OYSTER LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	DREDGES		TONGS		RAKES	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	2	4	56	134	2	6
CONNECTICUT	86	195	(1)	1	-	-
TOTAL	88	199	56	135	2	6
MIDDLE ATLANTIC:						
NEW YORK.	205	467	7	6	(1)	(1)
NEW JERSEY.	963	753	96	85	-	-
DELAWARE.	41	33	10	5	-	-
TOTAL	1,209	1,253	113	96	(1)	(1)
CHESAPEAKE:						
MARYLAND.	2,906	2,074	11,815	6,936	-	-
VIRGINIA.	3,093	2,098	4,343	2,887	-	-
TOTAL	5,999	4,172	16,158	9,823	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA.	138	101	157	107	46	34
SOUTH CAROLINA.	388	267	-	-	-	-
GEORGIA	-	-	202	114	-	-
FLORIDA, EAST COAST . . .	21	8	138	60	-	-
TOTAL	547	376	497	281	46	34
GULF:						
FLORIDA, WEST COAST . . .	4,887	1,842	-	-	-	-
ALABAMA	27	14	454	237	-	-
MISSISSIPPI	841	305	589	247	-	-
LOUISIANA	8,743	3,778	363	160	-	-
TEXAS	3,731	1,511	33	14	-	-
TOTAL	18,229	7,450	1,439	658	-	-
PACIFIC COAST:						
WASHINGTON:						
PACIFIC	5,723	2,083	-	-	-	-
WESTERN	38	115	-	-	-	-
TOTAL	5,761	2,198	-	-	-	-
OREGON:						
PACIFIC	497	197	-	-	-	-
WESTERN	2	5	-	-	-	-
TOTAL	499	202	-	-	-	-
CALIFORNIA:						
EASTERN	-	-	17	50	-	-
PACIFIC	360	84	336	78	-	-
TOTAL	360	84	353	128	-	-
TOTAL PACIFIC COAST STATES	6,620	2,484	353	128	-	-
GRAND TOTAL	32,692	15,934	18,616	11,121	48	40

AREA AND STATE	FORKS		BY HAND		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MASSACHUSETTS	6	18	-	-	66	162
CONNECTICUT	-	-	-	-	86	196
TOTAL	6	18	-	-	152	358
MIDDLE ATLANTIC:						
NEW YORK.	-	-	-	-	212	473
NEW JERSEY.	-	-	-	-	1,059	838
DELAWARE.	-	-	-	-	51	38
TOTAL	-	-	-	-	1,322	1,349

SEE FOOTNOTE AT END OF TABLE.

(CONTINUED ON NEXT PAGE)

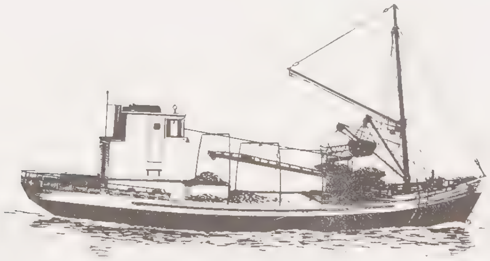
SUMMARY OF OYSTER LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	FORKS		BY HAND		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
CHESAPEAKE:						
MARYLAND	-	-	-	-	14,721	9,010
VIRGINIA	-	-	-	-	7,436	4,985
TOTAL	-	-	-	-	22,157	13,995
SOUTH ATLANTIC:						
NORTH CAROLINA	-	-	29	18	370	260
SOUTH CAROLINA	-	-	576	292	964	559
GEORGIA	-	-	52	30	254	144
FLORIDA, EAST COAST	-	-	83	46	242	114
TOTAL	-	-	740	386	1,830	1,077
GULF:						
FLORIDA, WEST COAST	-	-	25	9	4,912	1,851
ALABAMA	-	-	-	-	481	251
MISSISSIPPI	-	-	-	-	1,430	552
LOUISIANA	-	-	72	31	9,178	3,969
TEXAS	-	-	-	-	3,764	1,525
TOTAL	-	-	97	40	19,765	8,148
PACIFIC COAST:						
WASHINGTON:						
PACIFIC	-	-	-	-	5,723	2,083
WESTERN	-	-	-	-	38	115
TOTAL	-	-	-	-	5,761	2,198
OREGON:						
PACIFIC	-	-	-	-	497	197
WESTERN	-	-	-	-	2	5
TOTAL	-	-	-	-	499	202
CALIFORNIA:						
EASTERN	-	-	-	-	17	50
PACIFIC	-	-	-	-	696	162
TOTAL	-	-	-	-	713	212
TOTAL PACIFIC COAST STATES	-	-	-	-	6,973	2,612
GRAND TOTAL	6	18	837	426	52,199	27,539

1/ LESS THAN 500 POUNDS OR $500.

NOTE:--LANDINGS OF CATCH BY HAND IN WASHINGTON AND OREGON HAVE BEEN INCLUDED WITH THE LANDINGS OF CATCH BY DREDGES; IN CALIFORNIA, THEY HAVE BEEN INCLUDED WITH TONGS.



OYSTER DREDGE

REVIEW OF CERTAIN MAJOR FISHERIES

SUMMARY OF ATLANTIC AND GULF OYSTER LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	PUBLIC		PRIVATE	
	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:				
MASSACHUSETTS	6	14	60	148
CONNECTICUT	(1)	1	86	195
TOTAL	6	15	146	343
MIDDLE ATLANTIC:				
NEW YORK	158	358	54	115
NEW JERSEY	13	16	1,046	822
DELAWARE	10	5	41	33
TOTAL	181	379	1,141	970
CHESAPEAKE:				
MARYLAND	14,009	8,328	712	682
VIRGINIA	4,236	2,816	3,200	2,169
TOTAL	18,245	11,144	3,912	2,851
SOUTH ATLANTIC:				
NORTH CAROLINA	326	230	44	30
SOUTH CAROLINA	-	-	964	559
GEORGIA	-	-	254	144
FLORIDA, EAST COAST	89	45	153	69
TOTAL	415	275	1,415	802
GULF:				
FLORIDA, WEST COAST	4,659	1,753	253	98
ALABAMA	399	207	82	44
MISSISSIPPI	1,340	525	90	27
LOUISIANA	1,913	824	7,265	3,145
TEXAS	3,631	1,454	133	71
TOTAL	11,942	4,763	7,823	3,385
GRAND TOTAL	30,789	16,576	14,437	8,351

1/ LESS THAN 500 POUNDS.

SUMMARY OF OYSTER LANDINGS BY SPECIES, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

SPECIES	QUANTITY	VALUE
EASTERN:		
PUBLIC	30,789	16,576
PRIVATE 1/	14,454	8,401
TOTAL	45,243	24,977
PACIFIC	6,916	2,442
WESTERN	40	120
GRAND TOTAL	52,199	27,539

1/ EASTERN PRIVATE INCLUDES 17,000 POUNDS OF OYSTERS VALUED AT $50,000 HARVESTED IN CALIFORNIA.

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. SHRIMP FISHERY, 1969

Shrimp landings were a record 318.5 million pounds (heads-on) worth a record $124.5 million--an increase of 19.2 million pounds and $9.6 million compared with 1968. Shrimp retained its position as the most valuable U.S. fishery.

Compared with 1968, the shrimp harvest declined slightly in the Gulf States but increased markedly in the New England and Pacific Coast States. Landings in the South Atlantic States were also somewhat greater than in 1968. The Gulf States accounted for 200.4 million pounds (63 percent of the total); Pacific Coast, 62.5 million (20 percent); New England, 28.3 million (9 percent); and South Atlantic, 27.3 million (8 percent). A negligible amount was taken in the Mississippi River States and in Hawaii.

The otter trawl fleet took 316.7 million pounds--99 percent of the total. An additional 1.8 million pounds were taken by bag nets, butterfly nets, beam trawls, pots and traps, and dip nets.

The U.S. otter trawl fishery employed 18,993 fishermen on 4,477 vessels and 4,926 motor boats. Texas led in number of vessels (5 net tons or more) with 1,806. Louisiana, second in number of vessels with 1,502, led in number of boats with 3,452.

SUMMARY OF SHRIMP LANDINGS, 1969

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	BAG NETS		BUTTERFLY NETS		BEAM TRAWLS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
SOUTH ATLANTIC, NORTH CAROLINA	405	195	-	-	-	-
GULF, LOUISIANA	-	-	1,380	524	-	-
PACIFIC COAST, WASHINGTON	-	-	-	-	10	4
GRAND TOTAL	405	195	1,380	524	10	4

AREA AND STATE	OTTER TRAWLS		POTS AND TRAPS		DIP NETS	
	QUANTITY	VALUE	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:						
MAINE	24,235	3,045	-	-	-	-
NEW HAMPSHIRE	128	15	-	-	-	-
MASSACHUSETTS	3,909	418	-	-	-	-
TOTAL	28,272	3,478	-	-	-	-
SOUTH ATLANTIC:						
NORTH CAROLINA.	7,449	4,281	-	-	-	-
SOUTH CAROLINA.	5,817	3,428	-	-	-	-
GEORGIA	8,447	4,984	-	-	-	-
FLORIDA, EAST COAST . . .	5,188	3,298	-	-	-	-
TOTAL	26,901	15,991	-	-	-	-
GULF:						
FLORIDA, WEST COAST . . .	22,964	12,021	-	-	-	-
ALABAMA	14,976	8,788	-	-	-	-
MISSISSIPPI	8,906	4,011	-	-	-	-
LOUISIANA	81,501	32,832	-	-	7	2
TEXAS	70,695	42,884	-	-	-	-
TOTAL	199,042	100,536	-	-	7	2
PACIFIC COAST:						
ALASKA.	47,803	1,907	48	2	-	-
WASHINGTON.	1,425	156	12	8	-	-
OREGON.	10,268	1,243	-	-	-	-
CALIFORNIA.	2,960	418	1	1	-	-
TOTAL	62,456	3,724	61	11	-	-
MISSISSIPPI RIVER AND TRIBUTARIES, LOUISIANA . .	-	-	2	1	-	-
GRAND TOTAL	316,671	123,729	63	12	7	2

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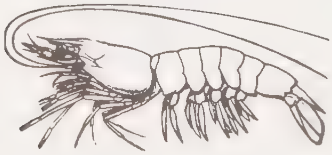
SUMMARY OF SHRIMP LANDINGS, 1969 - Continued

(THOUSANDS OF POUNDS AND THOUSANDS OF DOLLARS)

AREA AND STATE	UNCLASSIFIED		TOTAL	
	QUANTITY	VALUE	QUANTITY	VALUE
NEW ENGLAND:				
MAINE	-	-	24,235	3,045
NEW HAMPSHIRE	-	-	128	15
MASSACHUSETTS	-	-	3,909	418
TOTAL	-	-	28,272	3,478
SOUTH ATLANTIC:				
NORTH CAROLINA	-	-	7,854	4,476
SOUTH CAROLINA	-	-	5,817	3,428
GEORGIA	-	-	8,447	4,984
FLORIDA, EAST COAST	-	-	5,188	3,298
TOTAL	-	-	27,306	16,186
GULF:				
FLORIDA, WEST COAST	-	-	22,964	12,021
ALABAMA	-	-	14,976	8,788
MISSISSIPPI	-	-	8,906	4,011
LOUISIANA	-	-	82,888	33,358
TEXAS	-	-	70,695	42,884
TOTAL	-	-	200,429	101,062
PACIFIC COAST:				
ALASKA	-	-	47,851	1,909
WASHINGTON	-	-	1,447	168
OREGON	-	-	10,268	1,243
CALIFORNIA	-	-	2,961	419
TOTAL	-	-	62,527	3,739
MISSISSIPPI RIVER AND TRIBUTARIES, LOUISIANA	-	-	2	1
HAWAII	1	1	1	1
GRAND TOTAL	1	1	318,537	124,467



SHRIMP

SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1969

GROSS TONNAGE	NEW ENGLAND			SOUTH ATLANTIC				
	MAINE	MASSA-CHUSETTS	TOTAL, EXCLUSIVE OF DUPLICATION	NORTH CAROLINA	SOUTH CAROLINA	GEORGIA	FLORIDA, EAST COAST	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9 TONS.	2	-	2	74	24	16	1	109
10 - 19 TONS.	27	2	29	43	62	40	11	141
20 - 29 TONS.	31	1	32	35	51	52	16	121
30 - 39 TONS.	20	5	23	33	60	86	34	155
40 - 49 TONS.	9	6	14	31	55	57	42	123
50 - 59 TONS.	6	4	9	17	21	39	33	72
60 - 69 TONS.	4	8	10	15	24	42	46	91
70 - 79 TONS.	3	4	5	6	10	20	21	39
80 - 89 TONS.	1	2	3	7	7	14	8	24
90 - 99 TONS.	-	-	-	4	2	17	21	34
100 - 109 TONS.	1	-	1	1	-	2	5	5
110 - 119 TONS.	-	-	-	-	-	1	2	2
130 - 139 TONS.	-	-	-	-	-	2	-	2
140 - 149 TONS.	-	-	-	-	-	-	1	1
160 - 169 TONS.	1	-	1	-	-	-	-	-
TOTAL VESSELS	105	32	129	266	316	388	241	919
TOTAL GROSS TONNAGE .	[illegible],377	1,69[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

GROSS TONNAGE	GULF						SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION
	FLORIDA, WEST COAST	ALABAMA	MISSISSIPPI	LOUISIANA	TEXAS	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9 TONS.	35	29	15	65	42	160	269
10 - 19 TONS.	84	96	69	235	228	600	739
20 - 29 TONS.	33	52	88	174	95	354	470
30 - 39 TONS.	102	53	59	134	103	322	450
40 - 49 TONS.	122	45	60	149	136	333	409
50 - 59 TONS.	85	30	37	115	129	259	293
60 - 69 TONS.	176	40	49	178	340	493	526
70 - 79 TONS.	83	29	19	111	186	256	271
80 - 89 TONS.	54	26	8	63	109	154	165
90 - 99 TONS.	117	38	26	130	250	333	343
100 - 109 TONS.	13	6	7	37	58	76	77
110 - 119 TONS.	6	4	6	19	40	53	53
120 - 129 TONS.	10	20	10	39	35	64	64
130 - 139 TONS.	9	33	7	37	34	78	78
140 - 149 TONS.	-	2	1	9	11	17	18
150 - 159 TONS.	1	1	2	2	4	8	8
160 - 169 TONS.	-	2	-	2	4	5	5
170 - 179 TONS.	1	-	1	1	1	1	1
190 - 199 TONS.	1	-	-	1	-	2	2
220 - 229 TONS.	-	-	-	1	1	1	1
TOTAL VESSELS	932	506	464	1,502	1,806	3,569	4,242
TOTAL GROSS TONNAGE .	54,287	27,487	21,874	81,511	114,535	191,829	212,293

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SUMMARY OF SHRIMP OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1969 - Continued

GROSS TONNAGE	PACIFIC					GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	ALASKA	WASHINGTON	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9 TONS.	-	-	1	-	1	272
10 - 19 TONS.	1	-	5	5	10	778
20 - 29 TONS.	1	3	16	11	24	526
30 - 39 TONS.	4	3	13	6	21	494
40 - 49 TONS.	2	5	8	5	15	437
50 - 59 TONS.	4	3	6	4	15	317
60 - 69 TONS.	3	1	3	1	7	543
70 - 79 TONS.	1	-	1	4	6	282
80 - 89 TONS.	1	1	2	-	3	169
90 - 99 TONS.	3	-	-	-	3	345
100 - 109 TONS.	1	-	-	2	3	81
110 - 119 TONS.	-	-	-	1	1	54
120 - 129 TONS.	-	-	-	-	-	64
130 - 139 TONS.	-	-	-	-	-	78
140 - 149 TONS.	-	-	-	-	-	18
150 - 159 TONS.	1	-	-	-	1	9
160 - 169 TONS.	-	-	-	-	-	6
170 - 179 TONS.	-	-	-	-	-	1
190 - 199 TONS.	1	-	-	-	1	3
220 - 229 TONS.	-	-	-	-	-	1
TOTAL VESSELS	23	16	55	39	111	4,478
TOTAL GROSS TONNAGE .	1,579	712	2,043	1,626	5,139	221,749

SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1969

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	254	264	230	254	3,372
NEW HAMPSHIRE	3	8	-	3	57
TOTAL, EXCLUSIVE OF DUPLICATION . . .	257	272	230	257	3,429
SOUTH ATLANTIC:					
NORTH CAROLINA.	462	282	292	462	4,520
SOUTH CAROLINA.	30	10	50	30	488
GEORGIA	300	178	263	303	3,896
FLORIDA, EAST COAST . . .	14	28	-	14	180
TOTAL, EXCLUSIVE OF DUPLICATION . . .	806	498	605	809	9,084
GULF:					
FLORIDA, WEST COAST . . .	76	88	30	76	922
ALABAMA	129	188	68	129	1,755
MISSISSIPPI	615	150	535	615	5,200
LOUISIANA	3,452	2,914	1,305	3,452	47,901
TEXAS	545	431	280	545	6,792
TOTAL, EXCLUSIVE OF DUPLICATION . . .	4,817	3,771	2,218	4,817	62,570
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION.	5,623	4,269	2,823	5,626	71,654
GRAND TOTAL, EXCLUSIVE OF DUPLICATION . . .	5,880	4,541	3,053	5,883	75,083

(CONTINUED ON NEXT PAGE)

SUMMARY OF SHRIMP OTTER TRAWL OPERATING UNITS, 1969 - Continued

AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	105	3,377	222	105	1,837
MASSACHUSETTS	32	1,698	138	32	860
TOTAL, EXCLUSIVE OF DUPLICATION . . .	129	4,628	341	129	2,536
SOUTH ATLANTIC:					
NORTH CAROLINA.	266	7,876	597	465	7,840
SOUTH CAROLINA.	316	10,967	658	620	11,012
GEORGIA	388	17,196	778	768	12,300
FLORIDA, EAST COAST . . .	241	13,525	515	479	7,515
TOTAL, EXCLUSIVE OF DUPLICATION . . .	919	35,644	1,945	1,756	29,542
GULF:					
FLORIDA, WEST COAST . . .	932	54,287	2,350	1,774	29,874
ALABAMA	506	27,487	1,283	871	15,194
MISSISSIPPI	464	21,874	1,166	759	13,428
LOUISIANA	1,502	81,511	3,987	2,670	47,023
TEXAS	1,806	114,535	4,975	3,350	59,187
TOTAL, EXCLUSIVE OF DUPLICATION . . .	3,569	191,829	9,266	6,290	109,634
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION.	4,242	212,293	10,741	7,554	130,599
PACIFIC:					
ALASKA.	23	1,579	69	23	345
WASHINGTON.	16	712	51	17	304
OREGON.	55	2,043	179	56	1,042
CALIFORNIA.	39	1,626	117	39	585
TOTAL, EXCLUSIVE OF DUPLICATION . . .	111	5,139	347	112	1,902
GRAND TOTAL, EXCLUSIVE OF DUPLICATION . . .	4,478	221,749	11,399	7,805	135,037

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:				
MAINE	359	716	359	5,209
NEW HAMPSHIRE	3	8	3	57
MASSACHUSETTS	32	138	32	860
TOTAL, EXCLUSIVE OF DUPLICATION . . .	386	843	386	5,965
SOUTH ATLANTIC:				
NORTH CAROLINA.	728	1,171	927	12,360
SOUTH CAROLINA.	346	718	650	11,500
GEORGIA	688	1,219	1,071	16,196
FLORIDA, EAST COAST . . .	255	529	493	7,695
TOTAL, EXCLUSIVE OF DUPLICATION . . .	1,725	3,048	2,565	38,626
GULF:				
FLORIDA, WEST COAST . . .	1,008	2,468	1,850	30,796
ALABAMA	635	1,539	1,000	16,949
MISSISSIPPI	1,079	1,851	1,374	18,628
LOUISIANA	4,954	8,206	6,122	94,924
TEXAS	2,351	5,686	3,895	65,979
TOTAL, EXCLUSIVE OF DUPLICATION . . .	8,386	15,255	11,107	172,204
SOUTH ATLANTIC AND GULF, TOTAL, EXCLUSIVE OF DUPLICATION.	9,865	17,803	13,180	202,253
PACIFIC:				
ALASKA.	23	69	23	345
WASHINGTON.	16	51	17	304
OREGON.	55	179	56	1,042
CALIFORNIA.	39	117	39	585
TOTAL, EXCLUSIVE OF DUPLICATION . . .	111	347	112	1,902
GRAND TOTAL, EXCLUSIVE OF DUPLICATION . . .	10,358	18,993	13,688	210,120

REVIEW OF CERTAIN MAJOR FISHERIES

U.S. FISH OTTER TRAWL FLEET, 1969

The following tables contain information on the U.S. fish otter trawl fleet. The data include detailed information on the operating units in this fishery and a breakdown of vessels by area, State, and gross tonnage. The fish otter trawl fleet employed 4,525 fishermen on 1,082 vessels (craft of 5 net tons or more) and 132 boats. Sixty-one vessels used two trawls, which brought the total number of trawls in use to 1,280.

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1969

GROSS TONNAGE	NEW ENGLAND				
	MAINE	MASSA-CHUSETTS	RHODE ISLAND	CONNECT-ICUT	TOTAL, EXCLUSIVE OF DUPLI-CATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	1	1	1	1	3
10 - 19	18	27	9	5	58
20 - 29	26	29	14	1	67
30 - 39	14	37	12	6	62
40 - 49	6	24	13	2	42
50 - 59	4	24	6	1	30
60 - 69	1	33	3	-	35
70 - 79	4	35	4	-	38
80 - 89	-	19	1	-	19
90 - 99	-	13	2	1	16
100 - 109	2	11	-	-	13
110 - 119	-	18	2	-	19
120 - 129	-	10	-	-	10
130 - 139	-	9	-	-	9
140 - 149	-	5	-	-	5
150 - 159	-	8	2	-	8
160 - 169	3	5	-	-	7
170 - 179	1	7	-	-	7
180 - 189	-	2	1	-	3
190 - 199	5	8	-	-	12
210 - 219	-	1	-	-	1
220 - 229	-	1	-	-	1
230 - 239	1	2	-	-	3
240 - 249	1	2	-	-	3
290 - 299	2	2	-	-	2
300 - 309	2	1	-	-	2
310 - 319	3	1	-	-	4
320 - 329	2	-	-	-	2
450 - 459	1	-	-	-	1
590 - 599	-	2	-	-	2
TOTAL VESSELS	97	337	70	17	484
TOTAL GROSS TONNAGE .	7,754	29,729	3,146	530	38,111

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1969 - Continued

GROSS TONNAGE	MIDDLE ATLANTIC			CHESAPEAKE		
	NEW YORK	NEW JERSEY	TOTAL, EXCLUSIVE OF DUPLICATION	MARYLAND	VIRGINIA	TOTAL, EXCLUSIVE OF DUPLICATION
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	3	10	13	-	1	1
10 - 19	38	17	53	4	7	10
20 - 29	35	14	49	7	6	12
30 - 39	23	15	37	3	6	8
40 - 49	7	16	22	5	7	9
50 - 59	5	12	16	1	9	9
60 - 69	2	8	9	-	5	5
70 - 79	6	13	18	1	11	11
80 - 89	2	3	5	1	4	4
90 - 99	1	-	1	-	1	1
100 - 109	1	-	1	-	2	2
110 - 119	-	3	3	-	4	4
120 - 129	2	1	3	1	3	3
130 - 139	1	1	1	-	-	-
140 - 149	1	-	1	-	1	1
150 - 159	1	-	1	-	2	2
160 - 169	-	2	2	-	1	1
190 - 199	1	-	1	-	4	4
TOTAL VESSELS	129	115	236	23	74	87
TOTAL GROSS TONNAGE .	4,585	5,210	9,366	900	5,293	5,644

GROSS TONNAGE	SOUTH ATLANTIC, NORTH CAROLINA, TOTAL, EXCLUSIVE OF DUPLICATION	GULF			PACIFIC	
		MISSISSIPPI	LOUISIANA	TOTAL, EXCLUSIVE OF DUPLICATION	ALASKA	WASHINGTON
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	5	-	-	-	-	1
10 - 19	6	1	2	3	1	3
20 - 29	9	2	3	5	-	11
30 - 39	16	10	3	13	1	12
40 - 49	18	7	-	7	-	21
50 - 59	12	2	1	2	2	13
60 - 69	8	4	-	4	-	9
70 - 79	5	3	-	3	-	5
80 - 89	5	-	1	1	-	4
90 - 99	3	2	3	5	-	5
100 - 109	1	1	-	1	-	4
110 - 119	1	2	-	2	-	1
120 - 129	3	2	2	4	-	-
130 - 139	-	2	-	2	-	1
150 - 159	1	2	1	3	-	-
180 - 189	-	-	-	-	-	1
590 - 599	-	-	-	-	-	1
TOTAL VESSELS	93	40	16	55	4	92
TOTAL GROSS TONNAGE .	4,688	2,668	1,043	3,654	157	6,469

GROSS TONNAGE	PACIFIC - CONTINUED			GREAT LAKES, TOTAL, EXCLUSIVE OF DUPLICATION	GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
5 - 9	-	-	1	-	21
10 - 19	2	13	19	7	153
20 - 29	10	19	35	2	169
30 - 39	7	10	29	1	154
40 - 49	14	15	47	3	141
50 - 59	7	7	28	-	86
60 - 69	4	2	13	1	69
70 - 79	3	5	11	1	65

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL VESSELS, BY TONNAGE GROUPS, 1969 - Continued

GROSS TONNAGE	PACIFIC - CONTINUED			GREAT LAKES, TOTAL, EXCLUSIVE OF DUPLICATION	GRAND TOTAL, EXCLUSIVE OF DUPLICATION
	OREGON	CALIFORNIA	TOTAL, EXCLUSIVE OF DUPLICATION		
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
80 - 89	2	3	9	-	38
90 - 99	3	-	7	-	32
100 - 109	-	2	6	-	21
110 - 119	-	1	2	-	29
120 - 129	-	-	-	-	18
130 - 139	-	-	1	-	13
140 - 149	-	-	-	-	6
150 - 159	-	-	-	-	13
160 - 169	-	-	-	-	8
170 - 179	-	-	-	-	7
180 - 189	-	-	1	-	4
190 - 199	-	-	-	-	14
210 - 219	-	-	-	-	1
220 - 229	-	-	-	-	1
230 - 239	-	-	-	-	3
240 - 249	-	-	-	-	3
290 - 299	-	-	-	-	2
300 - 309	-	-	-	-	2
310 - 319	-	-	-	-	4
320 - 329	-	-	-	-	2
450 - 459	-	-	-	-	1
590 - 599	-	-	1	-	2
TOTAL VESSELS	52	77	210	15	1,082
TOTAL GROSS TONNAGE .	2,628	3,053	11,590	454	65,180

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1969

AREA AND STATE	BOAT FISHERY				
	BOATS	FISHERMEN		OTTER TRAWLS	
		REGULAR	CASUAL		
	NUMBER	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	46	53	39	46	775
NEW HAMPSHIRE	2	6	-	2	40
MASSACHUSETTS	5	6	3	5	87
RHODE ISLAND.	5	2	8	5	81
CONNECTICUT	48	23	44	48	659
TOTAL, EXCLUSIVE OF DUPLICATION.	106	90	94	106	1,642
MIDDLE ATLANTIC:					
NEW YORK.	8	16	-	8	132
NEW JERSEY.	4	8	-	4	52
TOTAL, EXCLUSIVE OF DUPLICATION.	12	24	-	12	184
PACIFIC, CALIFORNIA, TOTAL, EXCLUSIVE OF DUPLICATION .	14	42	-	14	378
MISSISSIPPI RIVER, TOTAL, EXCLUSIVE OF DUPLICATION .	1	4	-	1	13
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	133	160	94	133	2,217

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1969 - Continued

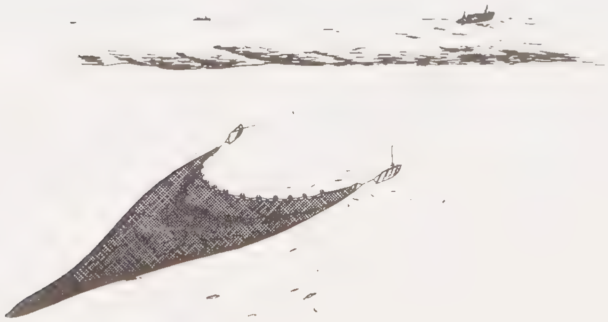
AREA AND STATE	VESSEL FISHERY				
	VESSELS		FISHERMEN	OTTER TRAWLS	
	NUMBER	GROSS TONNAGE	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:					
MAINE	97	7,754	341	97	2,038
MASSACHUSETTS	337	29,729	2,018	337	9,190
RHODE ISLAND.	70	3,146	244	70	1,846
CONNECTICUT	17	530	43	17	373
TOTAL, EXCLUSIVE OF DUPLICATION.	484	38,111	2,487	484	12,517
MIDDLE ATLANTIC:					
NEW YORK.	129	4,585	329	129	3,080
NEW JERSEY.	115	5,210	364	115	2,849
TOTAL, EXCLUSIVE OF DUPLICATION.	236	9,366	665	236	5,781
CHESAPEAKE:					
MARYLAND.	23	900	71	23	585
VIRGINIA.	74	5,293	302	74	1,976
TOTAL, EXCLUSIVE OF DUPLICATION.	87	5,644	338	87	2,309
SOUTH ATLANTIC, NORTH CAROLINA, TOTAL, EXCLUSIVE OF DUPLICATION. . . .	93	4,688	274	127	2,877
GULF:					
MISSISSIPPI	40	2,668	108	60	1,231
LOUISIANA	16	1,043	40	23	506
TOTAL, EXCLUSIVE OF DUPLICATION.	55	3,654	146	82	1,714
PACIFIC:					
ALASKA.	4	157	16	4	60
WASHINGTON.	91	6,469	361	91	2,016
OREGON.	53	2,628	192	53	1,204
CALIFORNIA.	77	3,053	231	77	2,079
TOTAL, EXCLUSIVE OF DUPLICATION.	210	11,590	745	210	5,022
GREAT LAKES, TOTAL, EXCLUSIVE OF DUPLICATION. . . .	15	454	32	15	408
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	1,082	65,180	4,317	1,147	27,929

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
NEW ENGLAND:				
MAINE	143	433	143	2,813
NEW HAMPSHIRE	2	6	2	40
MASSACHUSETTS	342	2,027	342	9,277
RHODE ISLAND.	75	254	75	1,927
CONNECTICUT	65	110	65	1,032
TOTAL, EXCLUSIVE OF DUPLICATION.	590	2,671	590	14,159
MIDDLE ATLANTIC:				
NEW YORK.	137	345	137	3,212
NEW JERSEY.	119	372	119	2,901
TOTAL, EXCLUSIVE OF DUPLICATION.	248	689	248	5,965
CHESAPEAKE:				
MARYLAND.	23	71	23	585
VIRGINIA.	74	302	74	1,976
TOTAL, EXCLUSIVE OF DUPLICATION.	87	338	87	2,309

(CONTINUED ON NEXT PAGE)

SUMMARY OF FISH OTTER TRAWL OPERATING UNITS, 1969 - Continued

AREA AND STATE	TOTAL (BOAT AND VESSEL FISHERY)			
	BOATS AND VESSELS	FISHERMEN	OTTER TRAWLS	
	NUMBER	NUMBER	NUMBER	YARDS AT MOUTH
SOUTH ATLANTIC, NORTH CAROLINA, TOTAL, EXCLUSIVE OF DUPLICATION. . . .	93	274	127	2,877
GULF:				
MISSISSIPPI	40	108	60	1,231
LOUISIANA	16	40	23	506
TOTAL, EXCLUSIVE OF DUPLICATION.	55	146	82	1,714
PACIFIC:				
ALASKA.	4	16	4	60
WASHINGTON.	91	361	91	2,016
OREGON.	53	192	53	1,204
CALIFORNIA.	91	273	91	2,457
TOTAL, EXCLUSIVE OF DUPLICATION.	224	787	224	5,400
GREAT LAKES, TOTAL, EXCLUSIVE OF DUPLICATION. . . .	15	32	15	408
MISSISSIPPI RIVER, TOTAL, EXCLUSIVE OF DUPLICATION .	1	4	1	13
GRAND TOTAL, EXCLUSIVE OF DUPLICATION.	1,215	4,571	1,280	30,146



FISH OTTER TRAWL

SECTION 13

STATISTICAL SURVEY PROCEDURE

This is another in a series of annual reports containing detailed statistics, analytic textual reviews, and graphic presentations on the commercial fisheries of the United States. Included are data on the quantity and value of the commercial yield of fishery products by States, sections, and gear; and the number of persons and operating units engaged in the fisheries. In the Great Lakes and Mississippi River Sections, the catch is also tabulated by water bodies. The publication contains data on the volume and value of processed fishery products, freezings and cold storage holdings, foreign trade, and other related information. The report has been prepared and published by the Bureau of Commercial Fisheries, Fish and Wildlife Service, U. S. Department of the Interior, and is a continuation of a series inaugurated by its predecessor organizations in the Department of Interior, Commerce, Commerce and Labor, and the U. S. Fish Commission.

In order that those who use the statistical data contained in this and previous reports may be informed as to the source of the figures and methods for their collection, it has been deemed advisable to outline, in moderate detail, the survey procedure followed. This procedure has been developed over many years, and changes in methods have been made at times when such changes have appeared to work toward general improvement. While the surveys in different sections are not made in the same manner, owing to varying facilities and records, an attempt has been made to make the data collected by various methods comparable with respect to the same year as well as over a period of years. Throughout the entire plan, it has been the intention to coordinate State and federal fishery statistical work so that there will be as little duplication of effort as possible.

SECTIONAL SURVEYS

Statistical surveys of the fisheries and fishery industries of the various sections of the United States occupy by far the greatest part of the time of the personnel of the Branch of Statistics. At frequent intervals, field representatives visit the individual fishing localities of the various States to collect statistics on the volume and value of the catch of fish and shellfish, employment in the fisheries, quantity of fishing gear, number and classification of fishing craft, and the volume and value of processed fishery products. The various phases of these surveys are discussed in detail in the sections following.

History--The first comprehensive statistical study of the fisheries and fishery industries of the United States was made for the year 1880 by George Brown Goode, Assistant Director of the U. S. National Museum, and associates, with the cooperation of the Commissioner of Fisheries and the Superintendent of the Tenth Census. Data for specific fisheries, or restricted sections for years prior to 1880, also were collected in the early survey and recorded in Mr. Goode's reports. The survey for 1880, however, did not include the Mississippi River and its tributaries. Periodic general surveys of a limited number of States or limited areas of the United States were made for the years from 1880 to 1907 and from 1909 to 1928. The first complete statistical canvass of the entire United States was made for 1908 by the Bureau of the Census. The next general survey of the entire United States was not made until 1931, although complete data for all sections, excluding the Mississippi River and its tributaries, were collected for 1929 and 1930. Complete data on the catch and operating units for these same sections were also collected for 1932. In the latter survey, however, lack of sufficient funds prohibited collection of data on the wholesale and manufacturing operations except those data collected as a part of the canned fishery products and byproducts survey. Various sections were surveyed during the years from 1933 to 1949, inclusive. A complete survey of all sections of the country was made for 1950. Since 1951, all of the coastal areas have been canvassed annually, and catch records have been obtained for the Lakes section. Complete operating unit and catch data have been obtained for all areas since 1954, except that only a partial survey of the Mississippi River and its tributaries was made for 1961. Data on the wholesale and manufacturing industries were collected in all of the surveys from 1933 to 1940, inclusive. In the years from 1941 to 1949, inclusive, and in 1951, lack of experienced personnel and budgetary limitations precluded the collection of data on wholesale and manufacturing firms except for those data collected as part of the canned fishery products, industrial products, and packaged fish surveys.

STATISTICAL SURVEY PROCEDURE

The chart on page 437 indicates the years for which surveys have been made in the various sections. Figures for recent years are available from the Bureau in bulletin form, but data for the earlier years are available only in the Fish Commission and Bureau of Fisheries printed reports. These reports are on file in the Department of the Interior library and in many public libraries.

Since the surveys of the fisheries have varied in completeness, three legends have been used for the years shown in the chart to indicate whether complete, partial, or no surveys were conducted in the individual regions. The designation "complete survey" has been used to indicate that basic operating unit and catch data were obtained and that complete information was collected on employment in wholesale and manufacturing establishments and on the production of manufactured fishery products. The legend "partial survey" usually indicates that operating unit and catch statistics were collected, but that no information was obtained on employment in wholesale and manufacturing establishments and that only partial data were obtained on the production of manufactured fishery products. In some instances the designation "partial survey" is used for regions in which only catch statistics were collected. The legend "no survey" indicates that a general canvass was not conducted to obtain operating unit, catch, employment in wholesale and manufacturing plants, and complete manufactured products data. Although the chart indicates that in certain regions no surveys were conducted, some information may be available on the landings at certain important ports. Likewise, information on the catch of certain species, such as menhaden, may be available as a result of data collected in connection with the annual canned fish and byproducts survey. Data on the annual production of canned fishery products and byproducts have been collected for all regions since 1921, while information has been obtained on the production of packaged fish for 1926 and annually since 1928.

A bibliography listing the various surveys made since 1880 and the publications in which the results were published appeared in Statistical Digest No. 43. "Fishery Statistics of the United States, 1956." A list of the statistical bulletins in the Current Fishery Statistics series published during 1969 may be found in Section 16 of this Digest.

Field Personnel--The statistics contained in this volume have been collected by a group of trained fishery reporting specialists of the Bureau.

Period Covered--These specialists are assigned to field stations, generally in the principal port within their field, and travel from that station in conducting their various surveys. Most of the reporting agents collect statistics on landings for the current year, and assemble final operating unit, catch, and processed products data for the previous year. It is usually 3 to 10 months after the end of the calendar year for which they are collecting data before the final figures for the digest are available. The data are tabulated and prepared for publication before the end of the year. The figures are collected and published on a calendar year basis. Prior to 1930, statistics on the catch of oysters in the Atlantic and Gulf States were collected for the oyster season; that is, from September to April, inclusive. Since 1930, they have been collected on a calendar year basis.

Scope--The coastal statistical surveys include canvasses of the commercial fisheries of the oceans, bays, and coastal rivers as far inland as commercial fishing is important. This usually coincides with the range of commercial fishing for anadromous species. Statistics on the fisheries of the Mississippi River include those of the Mississippi River proper as well as all of its tributaries wherein commercial fishing for either fish, crustaceans, or mollusks is carried on. Statistics on the fisheries of the Great Lakes cover canvasses of the fisheries in the lakes proper, adjacent bays, the International Lakes of northern Minnesota, and rivers which sustain a commercial fishery having outlets into these waters. Statistics on the fisheries of Florida include the commercial fisheries in Lake Okeechobee and other inland lakes. Surveys for statistics of the wholesale and processing fishery industries cover plants located in the coastal, river, and lake areas adjacent to the waters mentioned above.

Methods of Collection--There are several methods used in the collection of fishery statistics, each of which has been carefully

STATISTICAL SURVEY PROCEDURE

SURVEYS OF THE FISHERIES OF THE UNITED STATES

AREA:	1880	'81	'82	'83	'84	'85	'86	'87	'88	'89	'90	'91	'92	'93	'94	'95	'96	'97	'98	'99	1900	'01	'02
NEW ENGLAND	▦							░	░	░								░	░				░
MIDDLE ATLANTIC	▦							░	░	░	░	░	░					░	░			░	
CHESAPEAKE	▦							░	░		░	░						░				░	
SOUTH ATLANTIC	▦							░	░	░	░							░					░
GULF	▦							░	░	░	░							░					
ALASKA	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░	░
WASH., ORE., CALIF.	▦								░	░	░	░	░			░				░			
GREAT LAKES	▦					░					░							░		░			
MISSISSIPPI RIVER															░			░		░			

AREA:	1903	'04	'05	'06	'07	'08	'09	'10	'11	'12	'13	'14	'15	'16	'17	'18	'19	'20	'21	'22	'23	'24	'25
NEW ENGLAND			░			▦		░									░					░	░
MIDDLE ATLANTIC		░				▦							░						░				
CHESAPEAKE		░				▦												░					▦
SOUTH ATLANTIC						▦										░					░		
GULF						▦										░					░		
ALASKA	░	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦
WASH., ORE., CALIF.		░				▦							░							░	░	░	░
GREAT LAKES	░					▦					░	░	░	░	░	░	░	░	░	░	░	░	░
MISSISSIPPI RIVER	░					▦						░	░							░			

AREA:	1926	'27	'28	'29	'30	'31	'32	'33	'34	'35	'36	'37	'38	'39	'40	'41	'42	'43	'44	'45	'46	'47	'48
NEW ENGLAND	░	░	▦	▦	▦	▦	░	▦		▦		▦	▦	▦	▦		░	░	░	░	░	░	░
MIDDLE ATLANTIC	▦			▦	▦	▦	░	▦		▦		▦	▦	▦	▦		░	░		░	░	░	░
CHESAPEAKE				▦	▦	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	░	░		░	░		░	░
SOUTH ATLANTIC		▦	▦	▦	▦	▦	░		▦		▦	▦	▦	▦	▦					░			
GULF		▦	▦	▦	▦	▦	░		▦		▦	▦	▦	▦	▦					░			
ALASKA	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦
WASH., ORE., CALIF.	░	░	▦	▦	▦	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	░			░	░		░	░
GREAT LAKES	░	░	░	▦	▦	▦	░	░	▦	░	▦	▦	▦	▦	▦	░	░		░	░	░	░	░
MISSISSIPPI RIVER						▦																	
HAWAII																					░	░	░

AREA:	1949	'50	'51	'52	'53	'54	'55	'56	'57	'58	'59	'60	'61	'62	'63	'64	'65	'66	'67	'68	'69		
NEW ENGLAND	░	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
MIDDLE ATLANTIC	░	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
CHESAPEAKE	░	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
SOUTH ATLANTIC		▦	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
GULF	░	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
ALASKA	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
WASH., ORE., CALIF.	░	▦	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
GREAT LAKES	░	▦	░	░	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		
MISSISSIPPI RIVER		▦				▦	▦	▦	▦	▦	▦	░	░	▦	▦	▦	▦	▦	▦	▦	▦		
HAWAII	░	░	░	░	░	░	░	░	░	░	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦	▦		

▦ COMPLETE SURVEY ░ PARTIAL SURVEY ☐ NO SURVEY

STATISTICAL SURVEY PROCEDURE

studied to obtain the best results with available personnel and funds. In the preparation of operating unit data, the field personnel are supplied with a deck of prepunched vessel cards obtained from the Bureau of Customs. These cards indicate the name, official number, rig code, gross tonnage, length, and year built. Field personnel enter the number of crewmen, and number and type of gear used by the vessel. These data are obtained by interview. Data on the craft of less than 5 net tons are obtained from State conservation agencies and by contact with firms purchasing fish or shellfish from fishermen. The data thus obtained are machine processed to ensure accuracy.

Data on over 96 percent of the catch are available from summaries of monthly landings bulletins and other current records assembled by the Bureau or the various States. If complete catch data are not available from central sources, wholesale dealers and manufacturers of fishery products are visited, and data are obtained from them on their purchases of fish and shellfish. It is impossible for the few Bureau representatives available for this work to interview each fisherman in a given locality. However, the more important areas and a sufficient number of areas of lesser importance are visited to obtain reliable information on production, the number of fishing craft engaged, the quantity of gear operated, catch by gear and waters, and the number of persons employed as fishermen.

The Bureau's role with regard to fishery statistics is principally that of coordinating the collection of information, assembling, analyzing, publishing, and disseminating fishery data. The collection of basic operating unit and catch statistics is primarily a State function. The State fishery agencies in a number of States have developed relatively complete statistical systems which greatly facilitate the Bureau's surveys in these States. In such instances, the Bureau conducts only such surveys as may be necessary to make the data comparable with those of other States.

The Bureau obtains from the records of the State fishery agencies most of the catch statistics for the fisheries of the Great Lakes, the northern Mississippi River area, and the International Lakes of northern Minnesota. To obtain data on the number of fishermen, boats, vessels, and gear, the Bureau conducts such personal surveys among the fishermen as may be necessary to supplement the State records.

Bureau statistical personnel are stationed at Seattle, Wash. and Terminal Island, Cal. for the purpose of surveying the fisheries of Washington, Oregon, and California. They obtain from the records of the State fishery departments figures on the volume of the catch and operating units. The value of the catch is derived from State and dealers' records. In Washington and Oregon, data for operating units in the offshore fisheries are obtained from the records of various fishery organizations as well as from records of the State fishery agencies. Statistics of the wholesale fishery industry for this section are obtained largely by personal interviews.

In many States, the Bureau and the fishery agency of the respective States cooperate in the collection and publication of current monthly and annual data on the catch. These data form the basis of the annual catch figures published in this report for the following States: Maine, Massachusetts, Rhode Island, New York, New Jersey, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Louisiana, Texas, California, Ohio, Michigan, and Wisconsin.

In the administration of the Alaska fisheries, the State requires that copies of all receipts for fish and shellfish purchases from fishermen be furnished to the Alaska Department of Fish and Game. The data on these tickets are compiled and made available to the Bureau. The summary data, by districts, are reproduced in this report.

Statistics on the volume of the catch of fish in the Great Lakes States usually are shown in weights as landed, which may be in the round or drawn condition. Statistics on the volume of the catch of fish taken in the remainder of the United States are usually shown in round weight.

The figures in the tables for shellfish represent the weight of the meats in the cases of univalve and bivalve mollusks, and the round weight of crustaceans and such cephalopods as squid and octopus.

Shore and Vessel Fisheries--In general, statistics of the shore fisheries, as collected by the Bureau's representatives, include data on the number of casual and regular fishermen; number of motor and other fishing boats (craft of less than 5 net tons capacity are called "boats"); type and quantity of gear used; and the volume, value, and method of capture of each species for each locality or group of localities. This method is not followed in some sections where the availability of data collected by the State fishery agencies obviates the necessity of detailed locality surveys.

Statistics of the vessel fisheries include data on the number in the crew; rig of vessels; gross tonnage; kind and quantity of gear used; and volume, value, and method of capture of each species. Craft having a capacity of 5 net tons or over are called "vessels." As in the shore fisheries, the availability of figures collected by State fishery agencies may eliminate the necessity of Bureau agents collecting these data for individual vessels. Information on the year vessels were built was assembled for 1961 and 1966.

Statistics on the quantity of gear operated indicate the maximum number of units fished at any one time during the year. Gear carried in reserve for replacement is not reported.

All persons engaged in commercial fishing operations are included as fishermen. In most areas, fishermen not on vessels have been divided into "regular" and "casual". Regular fishermen are defined as those who receive more than one-half their annual income from fishing, whereas casual fishermen are those who receive less than one-half their annual compensation from fishing. It has not been possible to separate regular from casual fishermen on the Pacific Coast.

Since 1942, the catch of fish and shellfish has been credited to the port at which it was landed. Prior to the survey for that year, it was the practice of the Bureau to credit the entire catch of a vessel to the principal port at which fish or shellfish were unloaded, regardless of the actual point of landing. This policy was discontinued since it quite often resulted in inconsistencies by crediting catches of some species to areas far removed from localities in which they are commonly taken. An outstanding example of this is the southern trawl fishery conducted off the New Jersey, Maryland, Virginia, and North Carolina coasts. Some fishing vessels from New England operate in this fishery for 6 to 10 weeks during the winter season. Prior to the survey for 1942, the catch of these vessels, consisting principally of fish common to Middle Atlantic waters, was credited to Massachusetts. Under the present system, this catch is credited to the Middle Atlantic ports where it is landed.

Since 1949 on the Pacific Coast and 1951 for the remainder of the country, craft, fishermen, and gear have been reported for each State in which they fished. A total exclusive of duplication is shown for each section and for the United States as a whole. Prior to the surveys for 1949, each craft on the Pacific Coast was credited to its home port unless it did not fish from that port during the year. In that case, it was credited to the locality where it landed the greatest portion of its catch. Prior to the survey for 1951, each craft on the Atlantic and Gulf Coasts and interior waters was credited to the port where it landed the greatest portion of its catch during the year. This system was changed to provide more accurate data on the total number of craft operating in a given State. With the increased mobility of the fishing fleet in recent years, the number of vessels fishing in more than one State has increased greatly.

Beginning with data for 1951, the reporting of units of gear was standardized so that nets or lines made up of small units for ease in handling, but fastened together in fishing, were counted as a single unit rather than as a number of smaller units. Prior to 1951, the small units were sometimes counted as individual pieces of gear even though they were combined for fishing. This rule does not apply to halibut longlines or setlines on the Pacific Coast. In this fishery, each skate of gear is counted as one line, even though fastened together in fishing, because the International Pacific Halibut Commission uses a skate of gear as a unit in its studies of fishing intensity.

Beginning with 1962, only summary data have been shown on the number of fishing gear operated in the Great Lakes and the International Lakes of northern Minnesota. These data appear in the General Review section of the Digest in the table "Summary of Operating Units." In detailed operating unit tables for these lakes, the number and size of gear have been replaced by information on the fishing effort expended in the operation of each gear.

Publication of Data--Statistics on employment in the fisheries, craft and gear engaged, quantity and value of catch, and certain data on industries related to the fisheries are summarized according to geographic divisions and published in bulletin form as soon as possible after the completion of each survey. Later, the figures, in more detail, are included in the annual statistical report of the Bureau entitled "Fishery Statistics of the United States."

Data on the operating units (fishermen, fishing craft, and gear) and catch by counties for the Atlantic and Gulf States have been included in these annual statistical reports for the years from 1928 to 1938 except for 1932. These data have also been published in the digests for the years 1945, 1950, 1955, and 1960. County data were collected for the State in which surveys were conducted during the years since 1938, except for Maryland. Between 1942 and 1959, only operating unit data by counties have been obtained for Maryland. Complete data were obtained for 1960. County data assembled for the years since 1938, which were not published in the Digest, are on file in the Washington office of the Bureau.

LOCAL AND SPECIAL SURVEYS

Landings at Certain Massachusetts Ports--Detailed statistics are collected on the landings of aquatic products by individual fishing craft at Boston, Gloucester, New Bedford, Plymouth, Provincetown, and other Cape Cod ports. Bureau representatives are stationed at the principal ports. They obtain figures on the quantity and value of fish landed daily by fishing craft, the dates of departure and arrival of the craft, the gear used in their capture, the grounds from which the fish were taken, and other related information. The Bureau's Division of of Biological Research and Branch of Market News cooperate in the collection of these data.

Statistics on landings at the above ports are released monthly and annually in bulletin form, and summary data are published in the annual statistical digest. Products of American fisheries received duty free at Boston and Gloucester from the treaty coasts of Newfoundland, Magdalen Islands, and Labrador have not been included in the landings at these ports since 1938. Data on the landings at Boston and Gloucester have been collected annually since 1893. Information on landings at New Bedford has been collected annually since 1938; and at Plymouth, Provincetown, and other Cape Cod ports, since 1945.

Shad and Alewife Fisheries--Owing to the importance of the Hudson and Potomac Rivers in the production of shad, surveys for statistics on the catch, value of the catch, and operating units are made annually. On the Potomac River, similar statistics are also obtained for the alewife fishery. Much of the data required for these surveys is available from the States' fishery agencies.

Annual data on the shad and alewife fisheries are not published separately in bulletin form. However, a summary is published in the annual statistical digest.

Statistics on the Hudson River shad fishery are available for 1896, 1897, 1898, 1901, 1904, 1910, and continuously since 1915. Data for the Potomac River shad fishery are available for 1896, 1901, 1904, 1909, 1915, from 1919 to 1942, inclusive, and continuously since 1944. Statistics on the Potomac River alewife fishery are available for 1896, 1909, 1915, from 1919 to 1942, inclusive, and continuously since 1944.

Pacific Halibut Fishery--Statistics on the Pacific halibut fishery are obtained primarily from the International Pacific Halibut Commission. Beginning with data for 1956, the fleet classification of halibut craft was revised and vessels were credited in operating unit tables to each district in which they landed fish; the only exception being that U.S. vessels landing at Prince Rupert, British Columbia, are credited to Southeastern Alaska. Duplication of halibut craft which operated in more than one district has been eliminated in regional and national totals. The catch by the halibut fleet is credited to the port of landing except that fish landed by U.S. halibut craft in British Columbia is credited to Southeastern Alaska. Halibut statistics are also included in the monthly and annual summaries published by the Seattle Fishery Market News Office. Statistics on the landings of halibut at Pacific Coast ports have been collected since 1925.

South Atlantic and Gulf of Mexico Shrimp Fishery--Detailed statistics on the quantity and value of shrimp, by variety and size, landed at South Atlantic and Gulf ports, have been collected for the Gulf area since 1956 and the South Atlantic since 1957. Since 1956, Bureau personnel have also obtained daily information on the number of fishing trips, area and depth fished, and time spent in fishing by craft landing at U.S. ports in the Gulf of Mexico. The Branch of Market News, the Bureau's Branch of Marine Fisheries of the Division of Biological Research, and various fishery agencies of the southern States cooperate in the collection of these data.

Detailed monthly and annual summaries of the statistics on shrimp catch and landings are published in bulletin form and are summarized in the annual statistical digests.

Hawaiian Fisheries-- The common and scientific names of the species of fish and shellfish landed in Hawaii are not included in Section 14 of this report.

Historical Fishery Statistics-- The Bureau of Commercial Fisheries has in its files and in various Bureau reports or publications of other organizations a large volume of historical data on fisheries. Beginning with the 1951 Digest, a section entitled "Historical Fishery Statistics," which includes complete historical information on selected species, has been carried. There is published each year a listing of the titles of the series of data appearing in earlier editions.

Review of Certain Major Fisheries--For the years 1942-66, tabulations containing complete data on the catch of certain major species have been included in a section of the Digest entitled "Review of Certain Major Fisheries." Although the data are included in the detailed catch tables of the various States, they are consolidated in this section to provide a single source of data for cod, haddock, halibut, Pacific mackerel, jack mackerel, menhaden Atlantic ocean perch, salmon, tuna, oysters, clams, crabs, and shrimp. Data on operating units in the following fisheries have likewise been consolidated in this section: halibut, salmon purse seine and troll line, Atlantic and Pacific Coast tuna, menhaden purse seine, fish and shrimp otter trawl.

Canned Fishery Products and Industrial Products--Since 1921, the Bureau has made annual sectional surveys for statistics on canned and industrial fishery products. These surveys are started the first week in January of each year for statistics on the production in the preceding year. So far as possible, the Bureau obtains by mail statistics on the annual production of each domestic canned and industrial fishery products plant. If it is impossible to obtain the information by mail, the report is secured by a Bureau representative. Included in the data obtained are statistics on the yield and value of the canned products by type of commodity, can size, and area of production. Data on industrial products are obtained by commodity and area of production. The value shown for canned and industrial products is the gross amount received by the packer at the production point. No deductions are made for commissions or expenses.

Annual statistical bulletins are issued on this trade, and detailed data are published in the statistical Digest. Prior to 1921, canned and industrial products data were not collected for the entire country. However, data on the production of these products were usually obtained for the areas in which general canvass surveys were conducted.

Fish Meal and Oil--Data are collected monthly on the domestic production of fish meal, body oil, fish solubles, and homogenized condensed fish. This information is released monthly and annually in the Bureau's Current Fishery Statistics series of bulletins.

Packaged Fish Trade--Statistics on the annual production and value of fish packaged in the United States, excluding the States of Alaska and Hawaii, are obtained in conjunction with the canned and industrial fishery products survey. These data are released annually in bulletin form and in the annual statistical digest. Statistics on the production of packaged fish are available for 1926 and annually since 1928, except that no data were collected in California for the years 1941 to 1946, inclusive.

Fish Sticks and Portions--Quarterly information is collected and published on

STATISTICAL SURVEY PROCEDURE

the production and value of cooked and raw fish sticks and breaded, cooked, and raw fish portions, and unbreaded fish portions. The data are released in the Bureau's Current Fishery Statistics series of bulletins.

Cold-Storage Holdings of Fish--Information on the monthly freezings and holdings of fishery products is obtained from cold storage warehouses by mail and by Bureau employees. Data are also obtained on the holdings of certain cured fish. Bulletins showing these statistics are issued monthly and annually.

Detailed cold-storage statistics also are published in the Bureau's annual statistical digest. Information regarding cold-storage holdings of fishery products has been published since 1917, while data on the quantity of fish frozen have been released for the years from 1920 to 1925, inclusive, and continuously since 1928.

Foreign Fishery Trade--Statistics on foreign fishery trade are obtained from compilations made by the Bureau of the Census, Department of Commerce. Statistics on all known imported or exported fishery products have been assembled and published annually since 1926 in the Bureau's statistical digest. For earlier years, figures are available in the reports of the Bureau of the Census, Bureau of Foreign and Domestic Commerce, the Bureau of Statistics, the Department of Commerce and Labor, or the Treasury Department.

PRACTICES AND TERMS

Certain practices and terms used in this report are explained below.

Operating Units--Operating units include persons employed in the fisheries, and craft and gear engaged in the fisheries.

Vessel--A craft having a capacity of 5 net tons or over.

Boat--A craft having a capacity of less than 5 net tons.

Days Absent--In computing "days absent" for vessels landing fares at certain Massachusetts ports, the day of arrival, but not the day of departure, is included; thus, a vessel leaving port on the 8th of the month and returning on the 15th of the month will be credited with 7 days absence. Prior to 1944, "days absent" included both the day of departure and the day of arrival.

Days Fished--In computing "days fished" for fishing craft landing shrimp at Gulf of Mexico ports, the total number of hours spent in fishing effort has been divided by 24.

Fish--The term "fish" as used in this report includes all species belonging to the class Pisces.

Shellfish, etc.--A shellfish is an aquatic invertebrate animal having a shell, such as a mollusk or crustacean. However, in order to reduce the classifications appearing in the catch tables, all items not properly listed as "Fish" or "Whale Products" have been included under "Shellfish, etc." Accordingly, turtles, frogs, sponges, seaweed, and worms are included under this classification.

Whale Products--Since data are not available on the poundage of whales taken, statistics appearing in catch tables on the yield of these mammals represent the weight of products produced such as meal, sperm oil, whale oil, etc. The values shown represent the amount received by the manufacturer for the products.

Incidental Catch--The term "incidental catch" refers to the catch of certain species by a type of gear which ordinarily does not capture such species.

Percentages--Percentages are usually shown as whole numbers. Fractions of percents are dropped if less than five-tenths, and the percentage is raised to the next higher integer if the fraction is greater than five-tenths. If the fraction is exactly five-tenths, odd integers are raised to the next even figure while even integers remain unchanged.

Converting--Many of the figures shown in the summary tables published herewith have been converted to thousands of pounds or thousands of dollars. In making these conversions the sum of the items in a table is raised or lowered to the nearest thousand in accordance with standard statistical procedures. The individual items are adjusted to conform to the total thus obtained.

Confidential Data--The statistical data collected by the Bureau are confidential, and unless specific authorization is given, are not released in a manner that would divulge private enterprise.

CONVERSION FACTORS

It is the policy of the Bureau to show detailed catch figures of all products in pounds for the sake of uniformity and for purposes of comparison. This represents little difficulty in the case of fish, since in very rare instances are fish reported in units of measure other than pounds. For shellfish, however, the units of measure may be bushels, sacks, barrels, numbers, gallons of meats, etc. So many units make standardization difficult, and when combined with the wide variation in the requirements or definitions of some of these units in the various states, the problem becomes even more complex.

All univalve and bivalve mollusks (except fresh-water mussel shells) are reported in pounds of meats in the detailed catch tables presented in this report. In addition, there are included supplementary tables for most of the sections, which give data on the production in bushels. These supplementary tables also give the production in number of certain other shellfish, such as crabs. There also is included in the General Review section of this report a table containing data on the shell weight of univalve and bivalve mollusks taken.

Oysters--Probably the greatest problem in the presentation of fishery statistics in uniform units of measure is in the case of oysters. Usually the production of oysters on the Atlantic and Gulf Coasts is reported to Bureau personnel in bushels. Prior to the data obtained for the year 1930, bushels were converted to pounds of meats on the basis of a uniform yield of 7 pounds of meats to the bushel. However, it was found that there was considerable variation in the yield of oysters per bushel particularly in southern states where the yield has ranged as low as half the conversion factor used prior to 1930. There follows a table which gives the measures used for oysters in the various States and the average yields per bushel. The statistical tables in this report are based on these average yields.

MEASURES AND YIELD OF OYSTERS

STATE	CAPACITY OF STATE BUSHEL	VARIATION FROM U.S. STANDARD BUSHEL		YIELD OF MARKET OYSTERS, 1969	
				STATE BUSHEL	U.S. STANDARD BUSHEL
	CUBIC INCHES	CUBIC INCHES	PERCENT	POUNDS OF MEATS	POUNDS OF MEATS
MAINE	2,150.4	-	-	-	-
MASSACHUSETTS	2,150.4	-	-	6.50	6.50
RHODE ISLAND	2,150.4	-	-	-	-
CONNECTICUT	2,150.4	-	-	7.70	7.70
NEW YORK	2,150.4	-	-	7.50	7.50
NEW JERSEY	2,257.3	+ 106.9	+ 5.0	6.67	6.35
DELAWARE	2,257.3	+ 106.9	+ 5.0	6.87	6.54
MARYLAND	2,800.7	+ 650.3	+ 30.2	6.48	4.98
VIRGINIA	3,003.9	+ 853.5	+ 39.7	6.33	4.53
NORTH CAROLINA	2,801.9	+ 651.5	+ 30.3	6.01	4.61
SOUTH CAROLINA	4,071.5	+ 1,921.1	+ 89.3	4.98	2.63
GEORGIA	5,343.9	+ 3,193.5	+ 148.5	7.98	3.21
FLORIDA, EAST COAST	3,214.1	+ 1,063.7	+ 49.5	6.10	4.08
FLORIDA, WEST COAST	3,214.1	+ 1,063.7	+ 49.5	6.29	4.21
ALABAMA	2,826.2	+ 675.8	+ 31.4	7.27	5.53
MISSISSIPPI	2,826.2	+ 675.8	+ 31.4	5.89	4.48
LOUISIANA	2,148.4	- 2.0	- 0.1	5.00	5.00
TEXAS	2,700.0	+ 549.6	+ 25.6	6.87	5.47

NOTE:--THE CAPACITY OF A U.S. STANDARD BUSHEL IS 2,150.4 CUBIC INCHES.

AVERAGE YIELD OF CERTAIN MOLLUSKS, 1969

(POUNDS OF MEATS PER U.S. STANDARD BUSHEL)

STATE	CLAMS						
	HARD		OCEAN QUAHOG	RANGIA	RAZOR	SOFT	SUNRAY VENUS
	PUBLIC	PRIVATE					
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
MAINE	11.00	-	-	-	-	15.00	-
MASSACHUSETTS	11.00	11.00	10.00	-	16.00	13.00	-
RHODE ISLAND	12.00	-	10.00	-	-	13.00	-
CONNECTICUT	12.00	12.00	10.00	-	-	13.00	-
NEW YORK	12.00	12.00	-	-	-	16.00	-
NEW JERSEY	10.00	10.00	-	-	-	12.00	-
DELAWARE	8.00	8.00	-	-	-	-	-
MARYLAND	8.00	-	-	-	-	12.00	-
VIRGINIA	8.00	8.00	-	-	-	-	-
NORTH CAROLINA	8.75	-	-	8.10	-	-	-
SOUTH CAROLINA	8.75	-	-	-	-	-	-
GEORGIA	8.77	-	-	-	-	-	-
FLORIDA, EAST COAST	8.00	-	-	-	-	-	-
FLORIDA, WEST COAST	8.48	-	-	-	-	-	10.20

STATE	CLAMS - CONTINUED	CONCHS	MUSSELS, SEA	PERIWINKLES AND COCKLES	SCALLOPS		
	SURF				BAY	CALICO	SEA
	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS	POUNDS
MAINE	-	-	15.00	18.00	-	-	6.00
MASSACHUSETTS	11.00	15.00	10.00	-	6.00	-	6.00
RHODE ISLAND	-	15.00	-	-	-	-	6.00
CONNECTICUT	-	15.00	-	-	-	-	-
NEW YORK	17.00	15.00	10.00	-	6.00	-	6.00
NEW JERSEY	17.00	20.00	-	-	-	-	6.00
DELAWARE	17.00	-	-	-	-	-	-
MARYLAND	17.00	20.00	-	-	-	-	-
VIRGINIA	17.00	20.00	-	-	-	-	6.00
NORTH CAROLINA	-	-	-	-	4.00	-	6.00
GEORGIA	-	-	-	-	-	3.50	-
FLORIDA, EAST COAST	-	14.00	-	-	-	3.50	-
FLORIDA, WEST COAST	-	-	-	-	7.00	4.00	-

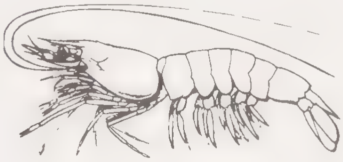
STATISTICAL SURVEY PROCEDURE

RECOVERY OF SHRIMP PRODUCTS AND FACTORS FOR CONVERTING THEM TO HEADS-ON WEIGHT

ITEM	SOUTH ATLANTIC AND GULF CATCH		PACIFIC AND NORTH ATLANTIC CATCH	
	PERCENT RECOVERY FROM HEADS-ON WEIGHT	TO CONVERT TO HEADS-ON WEIGHT, MULTIPLY BY:	PERCENT RECOVERY FROM HEADS-ON WEIGHT	TO CONVERT TO HEADS-ON WEIGHT, MULTIPLY BY:
HEADLESS:				
BROWN (PENAEUS AZTECUS) .	62.1	1.61	-	-
PINK (PENAEUS DUORARUM)	62.5	1.60	-	-
WHITE (PENAEUS SETIFERUS)	64.9	1.54	-	-
ROYAL RED (HYMENOPENAEUS ROBUSTUS).	55.6	1.80	-	-
SEA BOBS (XIPHOPENAEUS KROYERI)	65.4	1.53	-	-
OTHER (MOSTLY PANDULUS SPECIES)	-	-	57.0	1.75
ALL SPECIES (WEIGHTED AVERAGE)	62.9	1.59	57.0	1.75
PEELED FANTAIL, RAW 1/. . .	50.0	2.00	-	-
PEELED, RAW 1/.	49.0	2.04	28.0	3.57
PEELED, COOKED 1/	31.9	3.13	-	-
BREADED, RAW (INCLUDING FANTAIL) 1/.	100.0	1.00	-	-
DRIED 1/.	13.0	7.69	-	-
CANNED 1/	31.2	3.21	16.0	6.25

1/ AVERAGE FOR ALL SPECIES

NOTE:--EFFECTIVE IN 1962, THE CONVERSION FACTORS LISTED ABOVE BECAME THE BRANCH OF STATISTICS' FACTORS FOR CONVERTING VARIOUS SHRIMP PRODUCTS TO HEADS-ON (ROUND) WEIGHT.



STATISTICAL SURVEY PROCEDURE

RECOVERY OF PROCESSED SHRIMP PRODUCTS AND FACTORS FOR CONVERTING THEM TO WEIGHT OF RAW BASIC PRODUCT, SOUTH ATLANTIC AND GULF STATES

BASIC PRODUCT, RAW	PROCESSED PRODUCT			
	HEADLESS RAW	PEELED FANTAIL RAW	PEELED RAW	PEELED COOKED
HEADS-ON (ROUND)	62.9%	50.0%	49.0%	31.9%
FACTOR	1.59	2.00	2.04	3.13
HEADLESS	100.0%	79.6%	77.9%	50.7%
FACTOR	1.00	1.26	1.28	1.97
PEELED	-	-	100.0%	65.1%
FACTOR	-	-	1.00	1.54

BASIC PRODUCT, RAW	PROCESSED PRODUCT - CONTINUED		
	BREADED RAW	CANNED	DRIED
HEADS-ON (ROUND)	100.0%	31.2%	13.0%
FACTOR	1.00	3.21	7.69
HEADLESS	159.0%	49.6%	20.7%
FACTOR	0.63	2.02	4.83
PEELED	204.1%	63.7%	26.5%
FACTOR	0.49	1.57	3.77

SEE NOTE BELOW FOLLOWING TABLE.

RECOVERY OF PROCESSED SHRIMP PRODUCTS AND FACTORS FOR CONVERTING THEM TO WEIGHT OF RAW PRODUCT, PACIFIC AND NORTH ATLANTIC STATES

BASIC PRODUCT, RAW	PROCESSED PRODUCT		
	HEADLESS RAW	PEELED RAW	CANNED
HEADS-ON (ROUND)	57.0%	28.0%	16.0%
FACTOR	1.75	3.57	6.25
HEADLESS	100.0%	49.1%	28.1%
FACTOR	1.00	2.04	3.56
PEELED	-	100.0%	57.1%
FACTOR	-	1.00	1.75

NOTE:--THE QUANTITY OF PROCESSED PRODUCT MULTIPLIED BY THE FACTOR LISTED YIELDS THE WEIGHT OF BASIC PRODUCT REQUIRED TO PRODUCE THE PROCESSED PRODUCT.

OTHER CONVERSION FACTORS

ITEM	WHEN REPORTED AS	TO CONVERT TO:	MULTIPLY BY
OYSTERS.	GALLONS OF SHUCKED MEATS	POUNDS OF SHUCKED MEATS	8.75
CLAMS.	"	"	8.75
SCALLOPS	"	"	8.75
OILS, FISH AND WHALE	GALLONS	POUNDS	7.75
CRAB MEAT:			
BLUE	POUNDS	LIVE WEIGHT	7.14
DUNGENESS.	"	" "	4.17

SECTION 14 - GLOSSARY

In order to prevent misunderstanding in the use of common names employed in the tables and discussions, the following list of common and scientific names is given for fish, shellfish, and other aquatic products taken by United States fishermen.

Common names as shown in Bureau reports	Other common names	Scientific names
FISH		
Alewives	Branch herring, big-eyed herring, river herring	*Alosa pseudoharengus*
	Blueback, glut herring, shad herring	*Alosa aestivalis*
Amberjack	Jack	*Seriola* species
Anchovies		*Engraulis mordax* (Pacific)
Angelfish		*Pomacanthus* species *Angelichthys* species
Anglerfish	Goosefish, allmouth, headfish, monkfish, bellyfish	*Lophius americanus*
Ballyhoo	Balao	*Hemiramphus brasiliensis*
Barracuda		*Sphyraena* species
Bluefish	Tailor, skipjack	*Pomatomus saltatrix*
Blue pike	Pike perch, hard pike, blue pickerel (Canada)	*Stizostedion vitreum glaucum*
Blue runner	Runner, hardtail, crevalle	*Caranx crysos*
Bonito		*Sarda sarda* (Atlantic) *Sarda chiliensis* (Pacific)
Bowfin	Fresh-water dogfish, grindle	*Amia calva*
Brown trout		*Salmo trutta*
Buffalofish	Winter carp	*Ictiobus* species
Burbot	Lawyer, ling	*Lota lota*
Butterfish		*Poronotus triacanthus*
Cabezone	Marbled sculpin	*Scorpaenichthys marmoratus*
Cabio	Black bonito, cobia, ling, lemonfish	*Rachycentron canadus*
Cabrilla	Rock bass	*Epinephelus analogus* (Pacific)
Carp	German carp, summer carp	*Cyprinus carpio*
Catfish and bullheads		*Ictalurus* species *Pylodictis olivaris*
Chubs	Longjaw, bluefin, blackfin (United States), tullibee (Canada)	All *Leucichthys* except *artedi* (Great Lakes)
Cigarfish	Scad	*Decapterus punctatus*
Cisco	Herring (Canada)	*Leucichthys artedi* (Lake Erie only)
Cod	Codfish	*Gadus morhua* (Atlantic) *Gadus macrocephalus* (Pacific)
Crappie	White crappie, calico bass	*Pomoxis annularis*
	Black crappie	*Pomoxis nigromaculatus*
Crevalle	Common jack, jackfish	*Caranx hippos*
Croaker	Crocus, hardhead	*Micropogon undulatus*
Cunner	Chogset, blue perch, bergall	*Tautogolabrus adspersus*
Cutlassfish	Silver eel	*Trichiurus lepturus*
Cusk		*Brosme brosme*
Dolly Varden trout	Salmon trout, bull trout	*Salvelinus malma*
Dolphin		*Corphaena hippurus*
Drum:		
Black	Oyster cracker, oyster drum, sea drum	*Pogonias cromis*
Red	Channel bass, redfish, spotted bass	*Sciaenops ocellata*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Eel:		
Common		*Anguilla rostrata*
Conger		*Conger oceanicus*
Flounders:		
Atlantic and Gulf Coasts:		
Gray sole		*Glyptocephalus cynoglossus*
Lemon sole	(weighing over 3-1/2 pounds each)	*Pseudopleuronectes americanus*
Blackback	Winter flounder (weighing under 3-1/2 pounds each)	
Yellowtail	Dab	*Limanda ferruginea*
Dab	Sea dab	*Hippoglossoides platessoides*
Fluke	Summer flounder, gulf flounder, flounder	*Paralichthys* species
Pacific Coast:		
Arrowtooth halibut		*Atheresthes stomias*
California halibut		*Paralichthys californicus*
Sand dabs		*Citharichthys sordidus*
"Sole":		
Dover		*Microstomus pacificus*
English		*Parophrys vetulus*
Petrale		*Eopsetta jordani*
Rex		*Glyptocephalus zachirus*
Sand		*Psettichthys melanostictus*
Unclassified		Pleuronectidae and Bothidae
Flying fish		*Cypselurus* species
Garfish	Gar, sea gar	*Lepisosteus* species
Gizzard shad	Nanny shad, mud shad, winter shad	*Dorosoma cepedianum*
Goldfish	Sand perch, gold perch	*Carassius auratus*
Groupers	"Sea bass"	*Epinephelus* species *Mycteroporca* species
Grunts	Margate fish, sailors' choice	*Haemulon* species
Haddock		*Melanogrammus aeglefinus*
Hake:		
Red	Squirrel hake, ling, black hake, mud hake	*Urophycis chuss* (Atlantic)
White	Hake	*Urophycis tenuis* (Atlantic)
Pacific	Merluccio	*Merluccius productus* (Pacific)
Halfmoon	Rudder fish	*Medialuna californiensis*
Halibut		*Hippoglossus hippoglossus* (Atlantic) *Hippoglossus stenolepis* (Pacific)
Hardhead	Sacramento rockfish	*Orthodon microlepidotus* (Pacific)
Harvestfish	Starfish, dollarfish, pappyfish, butterfish (N.C.)	*Peprilus paru*
Herring:		
Lake	Herring	*Leucichthys artedi* (Great Lakes except Erie)
Sea		*Clupea harengus* (Atlantic) *Clupea pallasii* (Pacific)
Thread		*Opisthonema oglinum*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Hickory shad	Tailor shad, skip, autumnal herring	*Alosa mediocris*
Hogchoker		*Trinectes maculatus*
Hogfish	Capitaine, perro perro	*Lachnolaimus maximus*
Jack mackerel	Horse mackerel	*Trachurus symmetricus*
Jewfish		*Promicrops itaiara*
King croaker	Kingfish, white croaker	*Genyonemus lineatus*
King mackerel	Cero, kingfish	*Scomberomorus cavalla* *Scomberomorus regalis*
King whiting or "kingfish".	Whiting, sea mink, ground mullet	*Menticirrhus* species
Lake trout		*Salvelinus namaycush*
Lamprey		*Petromyzon marinus* (Atlantic) *Lampetra tridentatas* (Pacific)
Launce	Sand eel, lant, sand launce	*Ammodytes americanus*
Lingcod	Cultus cod, blue cod, buffalo cod, ling	*Ophiodon elongatus*
Boston mackerel		*Scomber scombrus* (Atlantic)
Pacific mackerel		*Scomber japonicus*
Menhaden	Mossbunker, pogy, fatback	*Brevoortia* species
Minnows		Cyprinidae
Mojarra	Sand perch, sand bream	Gerridae
Mooneye	Goldeye, toothed herring	*Hiodon* species
Mullet	Jumping mullet, striped mullet, silver mullet	*Mugil* species
Muttonfish	Mutton snapper	*Lutjanus analis*
Ocean perch:		
Atlantic	Rosefish, redfish, red perch	*Sebastes marinus*
Pacific		*Sebastodes alutus*
Ocean pout	Eelpout, sea pout	*Macrozoarces americanus*
Opaleye		*Girella nigricans*
Paddlefish	Spoonbill cat	*Polyodon spathula*
Perch	Surffish	Embiotocidae (Pacific)
Permit		*Trachinotus goodei*
Pigfish	Hogfish (N.C.)	*Orthopristis chrysopterus*
Pike or pickerel	Great Lakes pike	*Esox* species
Pinfish	Bream, salt-water bream	*Lagodon rhomboides*
Pollock	Boston bluefish	*Pollachius virens* (Atlantic)
Pompano		*Trachinotus* species (Atlantic) *Palometa simillima* (Pacific)
Quillback	Spearfish or skimfish	*Carpiodes* species
Ratfish		*Hydrolagus colliei*
Rock bass	Redeye, goggle-eye, groupers, sand bass	*Ambloplites rupestris* (fresh-water) *Paralabrax nebulifer* (Pacific)
Rockfishes	Rock cod, snapper	*Sebastodes* species (Pacific)
Sablefish	Black cod	*Anoplopoma fimbria*
Salmon:		
Atlantic		*Salmo salar* (Atlantic)
Pacific:		
Chinook or king	Tyee, spring	*Oncorhynchus tshawytscha*
Chum or keta	Fall, dog	*Oncorhynchus keta*
Pink	Humpback	*Oncorhynchus gorbuscha*
Red or sockeye	Blueback	*Oncorhynchus nerka*
Silver or coho		*Oncorhynchus kisutch*

(Continued on next page)

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Sand perch	Yellowtail, silver perch	*Bairdiella chrysura*
Sardine (Pacific)	Pilchard	*Sardinops caerulea* (Pacific)
Sauger	Sand pike	*Stizostedion canadense*
Saury	Mackerel-pike	*Cololabis saira*
Sawfish		*Pristis pectinatus*
Sculpin	Scorpionfish	*Myoxocephalus* species
Scup or porgy	Porgee, paugy, fair maid	*Calamus and Stenotomus* species
Sea bass:		
Black	Black jewfish (Pacific)	*Stereolepis gigas*
	Blackfish (Atlantic)	*Centropristes striatus*
White		*Cynoscion nobilis* (Pacific)
Sea catfish	Gafftopsail	*Bagre marinus*
Sea robin		*Prionotus* species
Sea trout or weakfish:		
Gray	Gray trout, squeteague	*Cynoscion regalis*
Spotted	Spotted trout, speckled trout	*Cynoscion nebulosus*
White	White trout, sand trout	*Cynoscion arenarius*
Shad	American shad, white shad	*Alosa sapidissima*
Sharks:		
Grayfish	Dogfish, spiny and smooth dog	*Squalus* and *Mustelus* species
Soupfin		*Galeorhinus zyopterus*
Other		*Carcharodon, Carcharias, Sphryna, Prionace and Lamna* species
Sheepshead:		
Fresh-water	Fresh-water drum, gaspergou, gou	*Aplodinotus grunniens*
Salt-water		*Archosargus* species (Atlantic)
	California redfish, fathead	*Pimelometopon pulcher* (Pacific)
Sierra		*Scomberomorus sierra* (Pacific)
Silversides	Spearing	*Menidia* species
Skates	Ray, rajafish	*Raja* species
Smelt		*Osmerus mordax* (Atlantic and Great Lakes), Atherinidae and Osmeridae (Pacific)
	Eulachon	*Thaleichthys pacificus*
Snapper:		
Mangrove	Gray snapper	*Lutjanus griseus*
Red		*Lutjanus blackfordii*
Vermilion		*Rhomboplites* species
Yellowtail		*Ocyurus chrysurus*
Snook	Robalo, sergeantfish, pike	*Centropomus undecimalis*
Spadefish	Angelfish	*Chaetodipterus faber*
Spanish mackerel	Mackerel	*Scomberomorus maculatus*
Spanish sardine		*Sardinella anchovia*
Splittail		*Pogonichthys macrolepidotus*
Spot	Lafayette, goody	*Leiostomus xanthurus*
Steelhead trout	Salmon trout	*Salmo gairdneri*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
FISH - Continued		
Striped bass	Rockfish, rock	*Roccus saxatilis*
Sturgeon:		
Common		*Acipenser* species
Shovelnose		*Scaphirhynchus platorynchus*
Suckers	Fresh-water mullet, redfin, bayfish	*Catostomus* species
Sunfish	Bream, perch, bluegill	*Lepomis* species
Swellfish	Puffer, swell toad, globefish, blowfish	*Sphaeroides maculatus*
Swordfish		*Xiphias gladius*
Tautog	Blackfish, oysterfish	*Tautoga onitis*
Tenpounder	Big-eyed herring, ladyfish	*Elops saurus*
Thimble-eyed mackerel	Chub mackerel, bullseye mackerel	*Pneumatophorus colias*
Tilefish		*Lopholatilus chamaeleonticeps*
Tomcod	Frost fish	*Microgadus tomcod* (Atlantic) *Microgadus proximus* (Pacific)
Triggerfish		*Balistes* species
Tripletail	Sunfish (N.C.), blackfish	*Lobotes surinamensis*
Tullibee	(See chubs)	
Tuna:		
Albacore	Longfin tuna	*Thunnus alalunga*
Bluefin	Horse mackerel	*Thunnus thynnus*
Little	Bonito, albacore, false albacore	*Euthynnus alletteratus*
Skipjack	Striped tuna	*Katsuwonus pelamis*
Yellowfin		*Thunnus albacares*
Turbot		Pleuronectidae (Pacific)
Wahoo		*Acanthocybium solandri*
Warsaw	Black Jewfish	*Garrupa nigrita*
Whitebait	Silversides	*Menidia beryllina* (Atlantic) Small fry of several species (Pacific)
White bass	White lake bass	*Roccus chrysops*
Whitefish:		
Common		*Coregonus clupeaformis*
Menominee		*Prosopium quadrilaterale*
White perch		*Morone americana*
Whiting	Silver hake	*Merluccius bilinearis*
Wolffish	Ocean catfish (New England)	*Anarhichas lupus*
Yellow bass	Bar fish	*Roccus mississippiensis*
Yellow perch	Ringed perch, perch	*Perca flavescens*
Yellow pike	Wall-eyed pike, pike perch, dore (Canadian)	*Stizostedion vitreum vitreum*
Yellowtail	(For Atlantic, see snapper, yellowtail)	*Seriola dorsalis* (Pacific)
CRUSTACEANS		
Crabs:		
Blue:		
Hard	Hard-shell crab	*Callinectes sapidus*
Soft and peeler	Soft-shell crab	
Dungeness		*Cancer magister*
King	Alaska king crab	*Paralithodes camschatica*

(Continued on next page)

GLOSSARY

Common names as shown in Bureau reports	Other common names	Scientific names
CRUSTACEANS - Continued		
Crabs: - Continued		
Rock		*Cancer irroratus* (New England) *Cancer* species (California)
Stone		*Menippe mercenaria*
Crawfish:		
Fresh-water	Crayfish	*Cambarus* species (Atlantic) *Astacus* species (Pacific)
Salt-water	(See lobsters, spiny)	
Horseshoe crab	King crab	*Limulus* species
Lobsters:		
Northern		*Homarus americanus* (Atlantic)
Spiny	Sea crawfish, rock lobster	*Panulirus argus* (Atlantic) *Panulirus interruptus* (Pacific)
Shrimp	Prawn	*Penaeus*, *Pandalus*, and *Xiphopenaeus* (Atlantic), *Pandalus*, *Pandalopsis*, and *Crangon* species (Pacific)
MOLLUSKS		
Abalone		*Haliotis* species
Clams:		
Cockle		*Cardium corbis* (Pacific)
Hard	Butter	*Saxidomus nuttalli* (Pacific)
	Little neck	*Protothaca staminea* (Pacific)
	Round clam, cherrystone, quahog, little neck	*Venus mercenaria*, *Mercenaria mercenaria*
Ocean quahog		*Arctica islandica*
Razor		*Ensis* species (Atlantic) *Siliqua patula* (Pacific)
Soft	Soft-shell clam, sand clam, nannynose, maninose	*Mya arenaria*
Surf	Skimmer	*Spisula solidissima*
Conchs		*Strombus* species *Busycon* species
Mussels:		
Sea		*Mytilus californianus* (Pacific) *Mytilus edulis* (Atlantic)
Fresh-water:		
Mussel shells		Unionidae
Pearls and slugs		
Octopus	Devilfish	*Paroctopus appollyon*
Oysters:		
Eastern	Cove	*Crassostrea virginica*
Pacific	Japanese	*Crassostrea gigas*
Western	Olympia, native	*Ostrea lurida*
Periwinkles or cockles		*Littorina* species
Scallops:		
Bay		*Pecten* species (Atlantic) *Pecten caurinus* (Pacific)
Sea		*Placopecten magellanicus*

(Continued on next page)

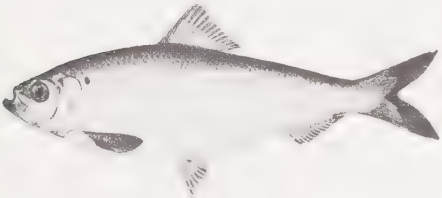
GLOSSARY

Common names as shown in Bureau reports	Other Common names	Scientific names
MOLLUSKS - Continued		
Squid	Inkfish, bone squid, taw taw	*Loligo opalescens* (Pacific) *Loligo pealii* (Atlantic)
OTHER		
Sea urchins	Sea eggs	*Strongylocentrotus drobachiensis*
Terrapin	Diamond-back terrapin	*Malaclemys* species
Turtles:		
Baby		(Young of fresh-water species)
Green		*Chelonia mydas*
Loggerhead		*Caretta* species
Sliders		*Pseudemys* species
Snapper	Hard-shell, alligator turtle	*Chelydra serpentina* *Macrochelys temmickii*
Soft-shell		*Amyda* species
Frogs		*Rana* species
Irish moss		*Chondrus crispus*
Kelp		*Macrocystis* species
Sponges:		
Glove		*Hippiospongia conaliculata*
Grass		*Spongia graminea*
Sheepswool	Wool	*Hippiospongia lachne*
Yellow		*Spongia barbara*
Whales:		
Blue		*Balaenoptera musculus*
Bottlenose		*Berardius bairdi*
Fin		*Balaenoptera physalus*
Humpback		*Megaptera* species
Sei		*Balaenoptera borealis*
Sperm		*Physeter catodon*
Bloodworms		Glyceridae
Sandworms		*Nereis* species

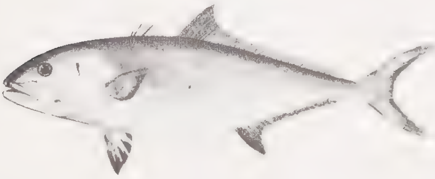
SECTION 15 - PICTORIAL SECTION

As many of the readers of this publication may not be familiar with all of the species of fish and shellfish, etc., taken commercially in the United States, illustrations of many of the various species are included in the following pages. The descriptive material appearing with each species includes the areas in which commercial landings are made in the United States and does not constitute the extreme limits in which they occur. Similarly, the gear listed for each species do not represent the only types of apparatus by which these species are obtained, but represent those types which are normally used in their capture. The gear do not necessarily appear in the order of their importance. Illustrations of species landed in Hawaii are not included in this section.

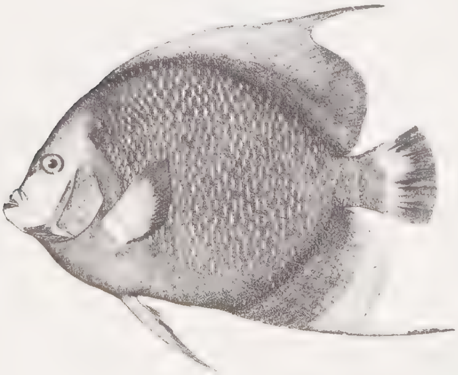
For more detailed information on the nomenclature of the fishery products listed below, the reader is referred to Section 14 of this publication entitled, "Glossary."



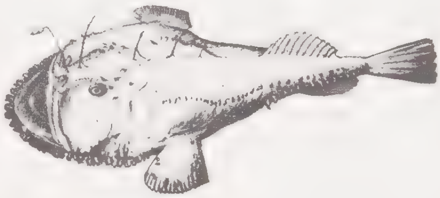
ALEWIFE
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, GILL NETS, WEIRS,
DIP NETS, HAUL SEINES, FLOATING TRAPS,
FYKE NETS



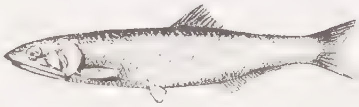
AMBERJACK
RANGE - FLORIDA
GEAR - HANDLINES, TROLL LINES



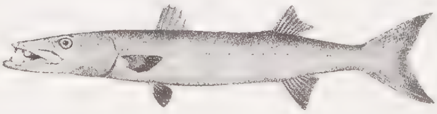
ANGELFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



ANGLERFISH
RANGE - NEW JERSEY TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS



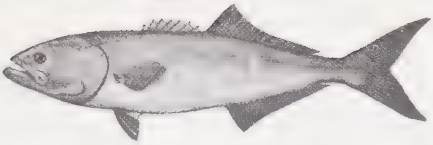
ANCHOVY
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES AND HAUL SEINES



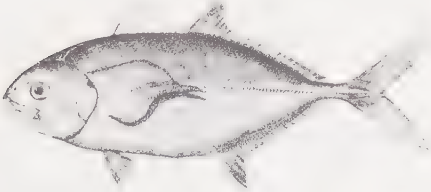
BARRACUDA (ATLANTIC)
RANGE - FLORIDA
GEAR - TROLL LINES, HANDLINES

BARRACUDA (PACIFIC)
RANGE - CALIFORNIA
GEAR - PURSE SEINES, LONGLINES, HANDLINES
TROLL LINES, GILL AND TRAMMEL NETS

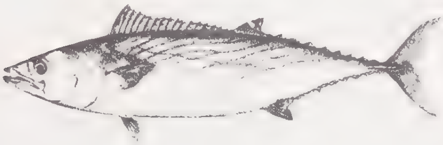
PICTORIAL SECTION



BLUEFISH
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - HAUL SEINES, GILL NETS, POUND NETS, TROLL LINES, PURSE SEINES

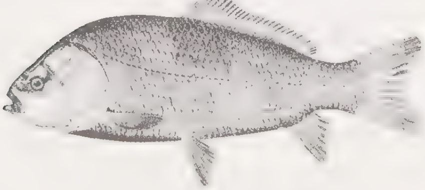


BLUE RUNNER OR HARDTAIL
RANGE - GULF OF MEXICO
GEAR - HAUL SEINES, GILL NETS, POTS

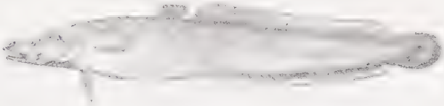


BONITO (ATLANTIC)
RANGE - NORTH CAROLINA TO MASSACHUSETTS
GEAR - POUND NETS, TROLL LINES, GILL NETS

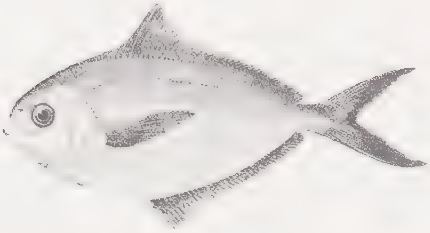
BOWFIN
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



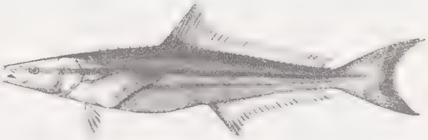
BUFFALOFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, FYKE NETS, TRAMMEL NETS, TROTLINES



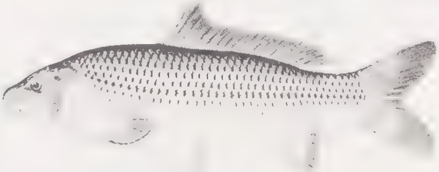
BURBOT
RANGE - GREAT LAKES
GEAR - GILL NETS, FYKE NETS, POUND NETS, TRAP NETS



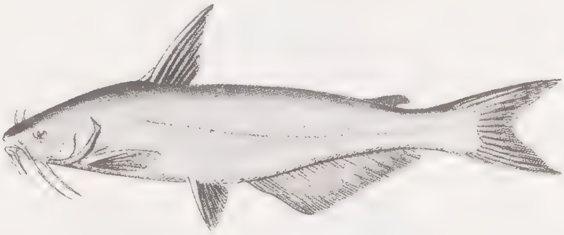
BUTTERFISH
RANGE - FLORIDA TO NEW ENGLAND
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWLS



CABIO
RANGE - FLORIDA TO VIRGINIA
GEAR - HANDLINES, POUND NETS



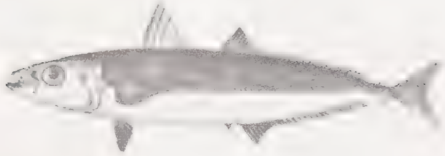
CARP
RANGE - FRESH-WATER
GEAR - HAUL SEINES, GILL NETS, TRAP NETS, FYKE NETS, POUND NETS, TROTLINES



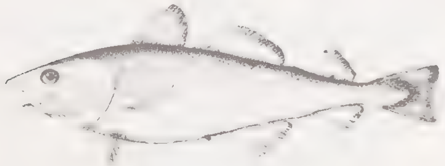
CATFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, POUND NETS, POTS, FYKE NETS

PICTORIAL SECTION

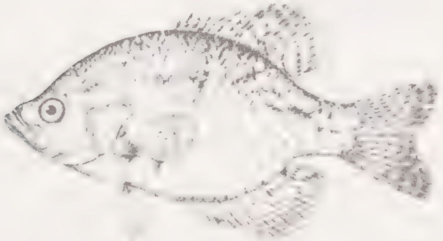
CHUB
RANGE - GREAT LAKES
GEAR - GILL NETS



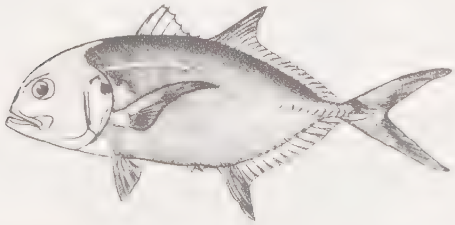
CIGARFISH
RANGE - FLORIDA
GEAR - HAUL SEINES



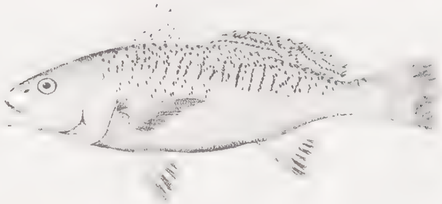
COD
RANGE - VIRGINIA TO MAINE, WASHINGTON,
AND ALASKA
GEAR - OTTER TRAWLS, LONGLINES, GILL NETS



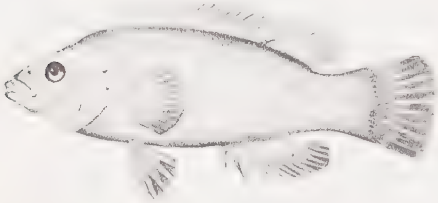
CRAPPIE
RANGE - FRESH-WATER LAKES
GEAR - HAUL SEINES, LINES, POTS



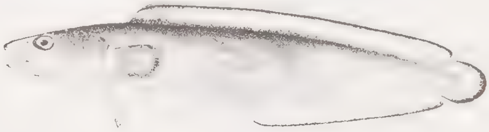
CREVALLE
RANGE - SOUTH ATLANTIC AND GULF STATES
GEAR - HAUL SEINES, GILL NETS, LINES



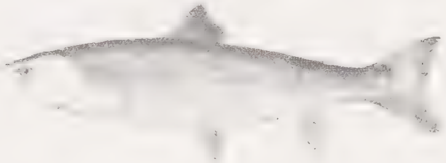
CROAKER
RANGE - GULF OF MEXICO TO NEW YORK
GEAR - POUND NETS, OTTER TRAWLS, HAUL SEINES,
GILL NETS



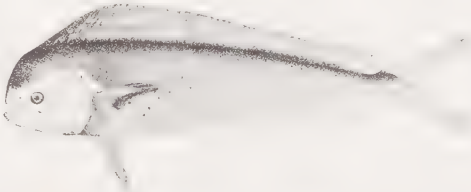
CUNNER
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES



CUSK
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS, LONGLINES

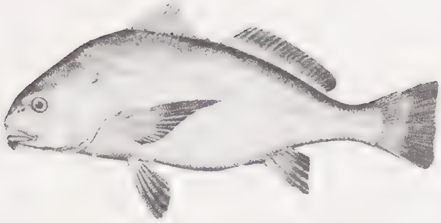


DOLLY VARDEN TROUT
RANGE - PACIFIC
GEAR - POUND NETS, GILL NETS, LINES

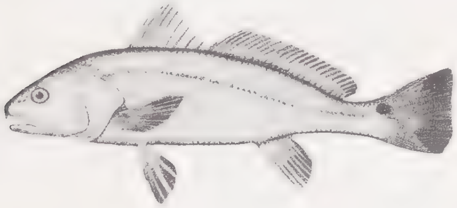


DOLPHIN
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - TROLL LINES

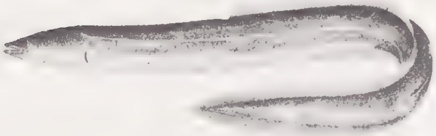
PICTORIAL SECTION



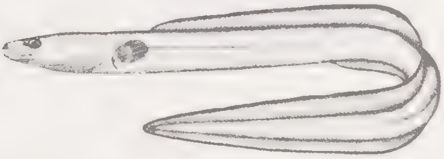
DRUM, BLACK
RANGE - TEXAS TO NORTH CAROLINA
GEAR - HAUL SEINES, POUND NETS, LINES



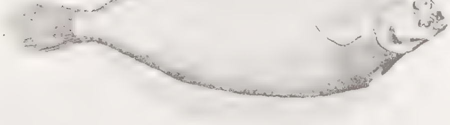
DRUM, RED
RANGE - TEXAS - MARYLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS, LINES



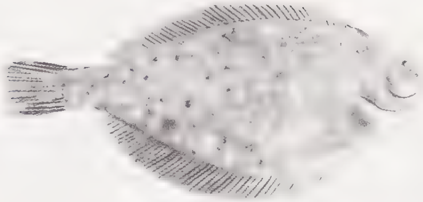
EEL, COMMON
RANGE - FLORIDA TO NEW ENGLAND AND IN MISSISSIPPI RIVER, LAKE ONTARIO
GEAR - POTS, SPEARS, POUND NETS



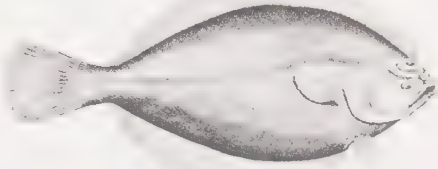
EEL, CONGER
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS



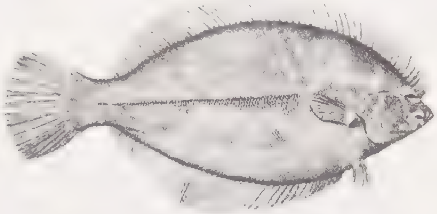
GRAY SOLE
RANGE - MASSACHUSETTS TO MAINE
GEAR - OTTER TRAWLS



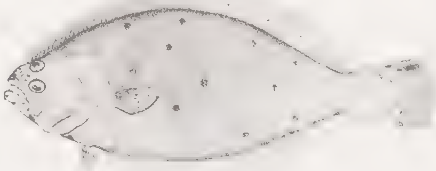
LEMON SOLE
RANGE - NEW YORK TO MAINE
GEAR - OTTER TRAWLS



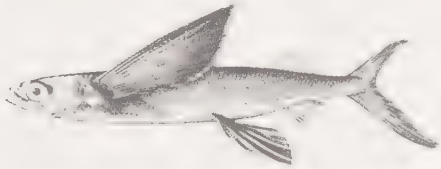
DAB
RANGE - MASSACHUSETTS TO NOVA SCOTIA
GEAR - OTTER TRAWLS, LONGLINES



BLACKBACK OR WINTER FLOUNDER
RANGE - NORTH CAROLINA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS, FYKE NETS, SPEARS, LINES

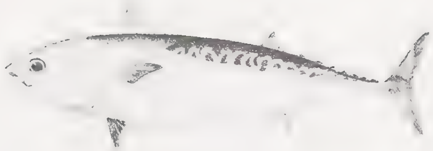


FLUKE
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWL, SPEARS, LINES

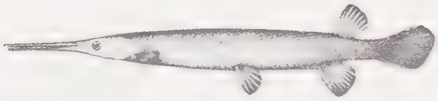


FLYING FISH
RANGE - PACIFIC AND ATLANTIC OCEANS
GEAR - GILL NETS

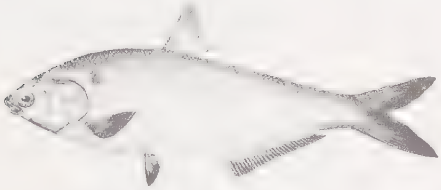
PICTORIAL SECTION



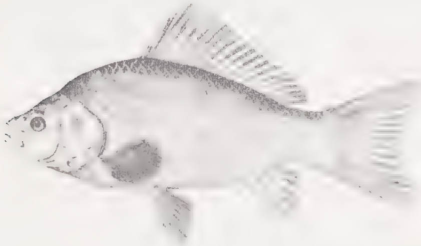
FRIGATE MACKEREL
RANGE - MIDDLE ATLANTIC
GEAR - POUND NETS



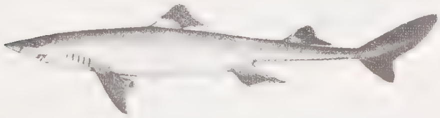
GARFISH
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES



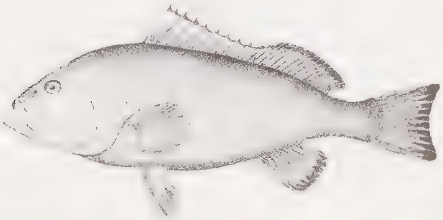
GIZZARD SHAD
RANGE - NORTH CAROLINA TO MARYLAND,
GREAT LAKES
GEAR - HAUL SEINES, POUND NETS, GILL NETS



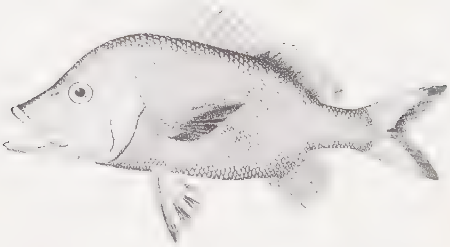
GOLDFISH
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, TRAP NETS, FYKE NETS



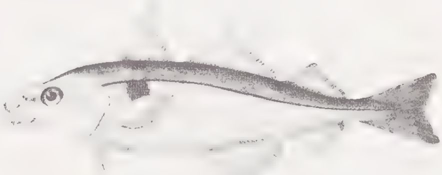
GRAYFISH
RANGE - PACIFIC
GEAR - LONGLINES, OTTER TRAWLS, GILL NETS



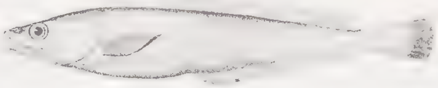
GROUPER
RANGE - TEXAS TO SOUTH CAROLINA
GEAR - HANDLINES, POTS



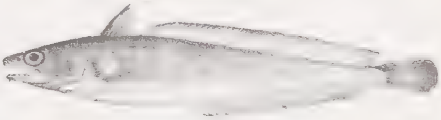
GRUNT
RANGE - FLORIDA
GEAR - POTS, GILL NETS, LINES



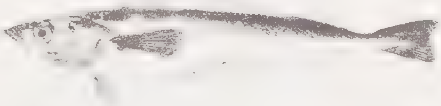
HADDOCK
RANGE - NEW ENGLAND STATES
GEAR - OTTER TRAWLS, GILL NETS, LONGLINES



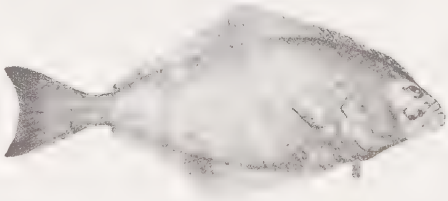
HAKE, RED
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES



HAKE, WHITE
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - GILL NETS, OTTER TRAWLS, LONGLINES

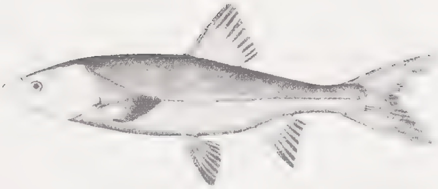


HAKE (PACIFIC)
RANGE - PACIFIC
GEAR - OTTER TRAWLS

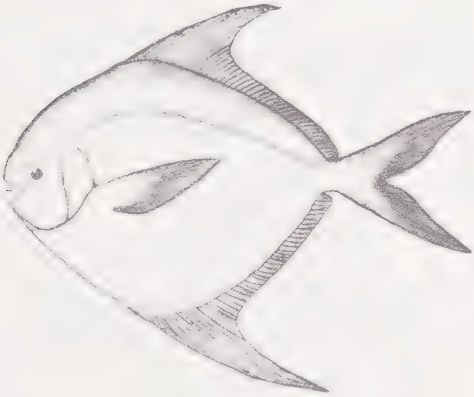


HALIBUT
RANGE - PACIFIC COAST - NEW ENGLAND
GEAR - LONGLINES, OTTER TRAWLS

PICTORIAL SECTION

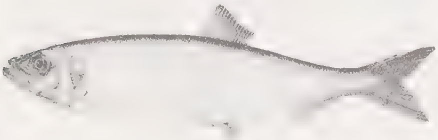


HARDHEAD
RANGE - CALIFORNIA
GEAR - FYKE NETS

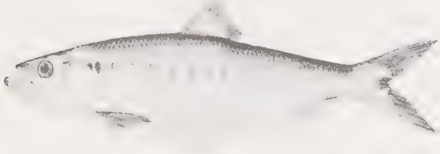


HARVESTFISH OR "STARFISH"
RANGE - NORTH CAROLINA TO CHESAPEAKE BAY
GEAR - HAUL SEINES, POUND NETS

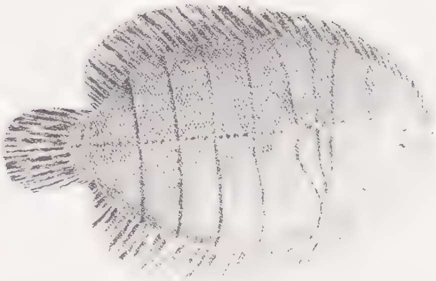
HERRING, LAKE
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, POUND NETS,
TRAP NETS



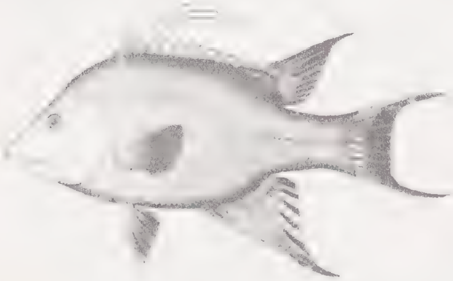
HERRING, SEA
RANGE - NEW JERSEY TO NEW ENGLAND, PACIFIC
COAST STATES AND ALASKA
GEAR - PURSE SEINES, WEIRS, FLOATING TRAPS,
STOP SEINES



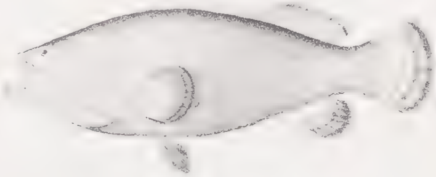
HICKORY SHAD
RANGE - FLORIDA TO RHODE ISLAND
GEAR - POUND NETS, HAUL SEINES, GILL NETS
FLOATING TRAPS



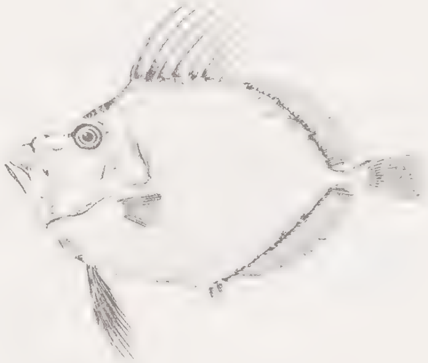
HOGCHOKER
RANGE - CHESAPEAKE BAY
GEAR - POUND NETS, HAUL SEINES



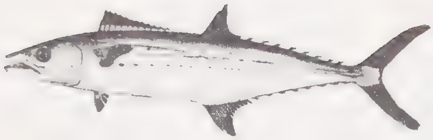
HOGFISH
RANGE - FLORIDA
GEAR - LINES



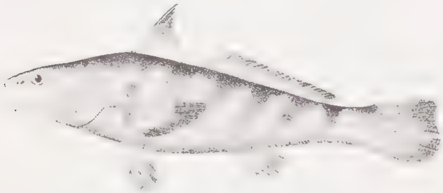
JEWFISH
RANGE - FLORIDA
GEAR - HANDLINES



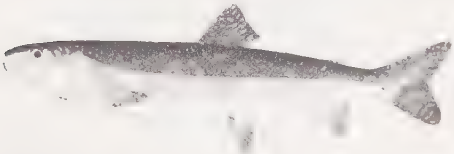
JOHN DORY
RANGE - MIDDLE ATLANTIC STATES
GEAR - OTTER TRAWLS



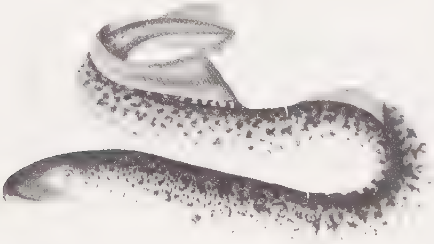
KING MACKEREL
RANGE - TEXAS TO NEW YORK
GEAR - TROLL LINES, GILL NETS, HANDLINES



KING WHITING
RANGE - TEXAS TO MASSACHUSETTS
GEAR - OTTER TRAWLS, HAUL SEINES, POUND NETS

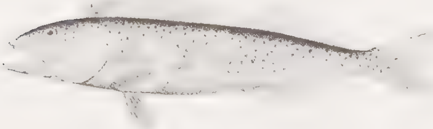


LAKE TROUT
RANGE - GREAT LAKES
GEAR - GILL NETS, LINES, POUND NETS (TRAP NETS)

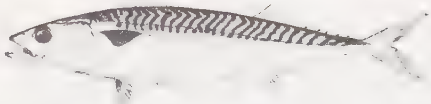


LAMPREY
RANGE - FRESH-WATER
GEAR - POTS, FYKE NETS

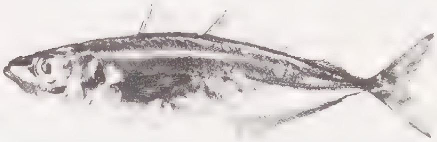
LAUNCE
RANGE - NEW ENGLAND
GEAR - HAUL SEINES



LINGCOD
RANGE - CALIFORNIA TO ALASKA
GEAR - OTTER TRAWLS, LONGLINES, HANDLINES

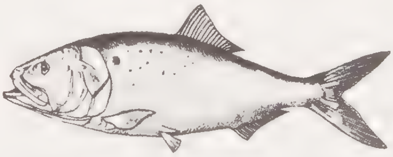


MACKEREL, ATLANTIC
RANGE - CHESAPEAKE BAY TO MAINE
GEAR - PURSE SEINES, GILL NETS, POUND NETS, FLOATING TRAPS

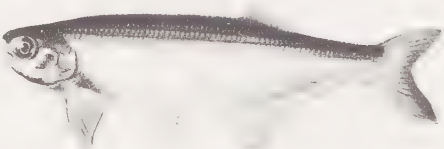


MACKEREL, JACK
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS

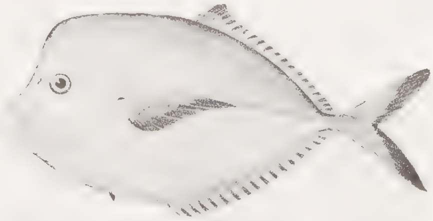
MACKEREL, PACIFIC
RANGE - CALIFORNIA
GEAR - LINES, SEINES, LAMPARA NETS



MENHADEN
RANGE - GULF OF MEXICO TO NEW ENGLAND
GEAR - PURSE SEINES, POUND NETS

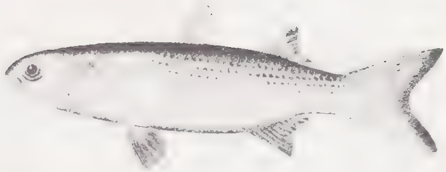


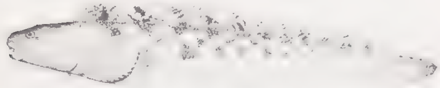
MOONEYE
RANGE - GREAT LAKES
GEAR - HAUL SEINES

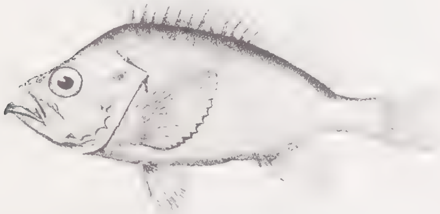


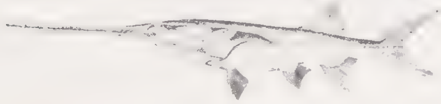
MOONFISH
RANGE - FLORIDA
GEAR - HANDLINES, HAUL SEINES

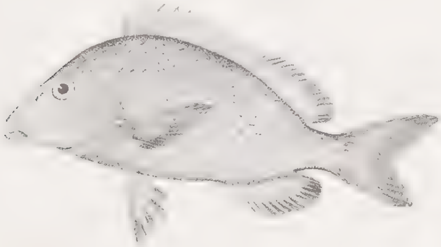
PICTORIAL SECTION

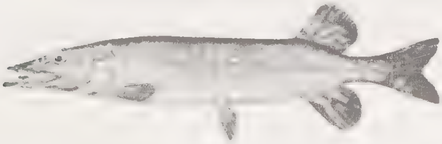

MULLET
RANGE - TEXAS TO NEW JERSEY
GEAR - GILL NETS, HAUL SEINES, POUND NETS,
CAST NETS

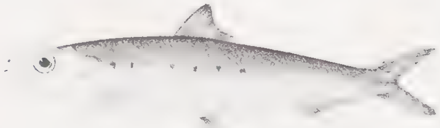

OCEAN POUT
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS

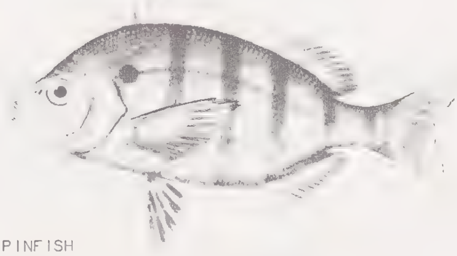

OCEAN PERCH
RANGE - NEW ENGLAND
GEAR - OTTER TRAWLS

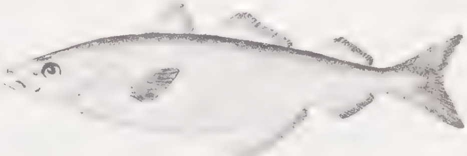

PADDLEFISH
RANGE - GULF OF MEXICO, MISSISSIPPI RIVER
GEAR - HAUL SEINES, TROTLINES

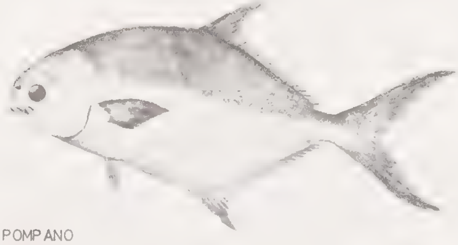

PIGFISH
RANGE - FLORIDA
GEAR - POTS, HANDLINES, GILL NETS

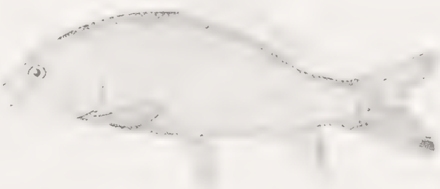

PIKE OR PICKEREL
RANGE - FRESH-WATER
GEAR - TRAP NETS, FYKE NETS, GILL NETS,
POUND NETS, HANDLINES


SARDINE, PACIFIC (PILCHARD)
RANGE - CALIFORNIA TO WASHINGTON
GEAR - PURSE SEINES, LAMPARA AND RING NETS,
GILL NETS

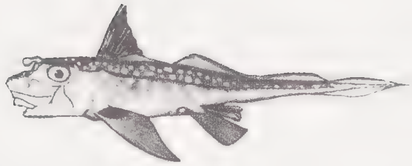

PINFISH
RANGE - FLORIDA TO NORTH CAROLINA
GEAR - HAUL SEINES, GILL NETS


POLLOCK
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, FLOATING TRAPS, POUND NETS,
OTTER TRAWLS, GILL NETS

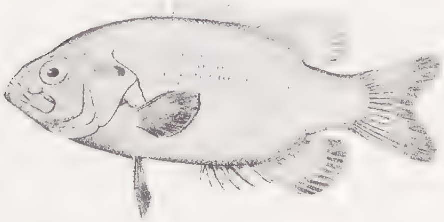

POMPANO
RANGE - TEXAS TO NORTH CAROLINA
GEAR - TRAMMEL NETS, HAUL SEINES, GILL NETS,
HANDLINES


QUILLBACK
RANGE - FRESH-WATER
GEAR - HAUL SEINES, TROTLINES, FYKE NETS

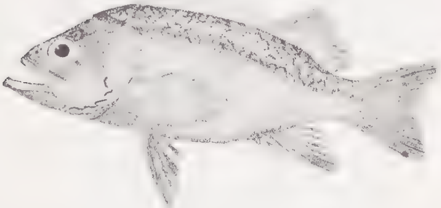
PICTORIAL SECTION



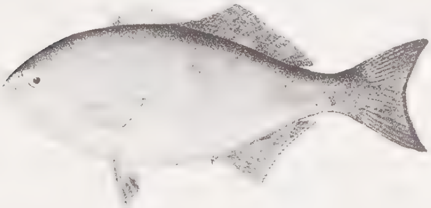
RATFISH
RANGE - WASHINGTON TO ALASKA
GEAR - BEAM TRAWLS, LONGLINES



ROCK BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES, GILL NETS

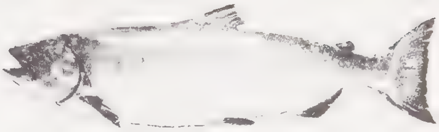


ROCKFISH
RANGE - CALIFORNIA TO ALASKA
GEAR - LINES, OTTER TRAWLS, PARANZELLA NETS, GILL NETS

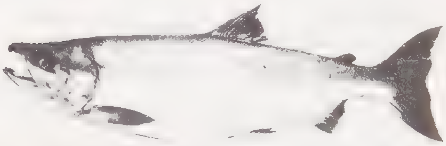


RUDDERFISH
RANGE - CALIFORNIA
GEAR - LAMPARA AND RING NETS

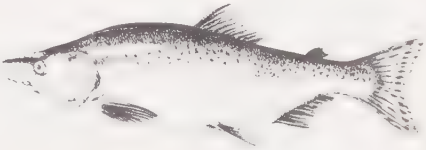
SABLEFISH
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LONGLINES, OTTER TRAWLS



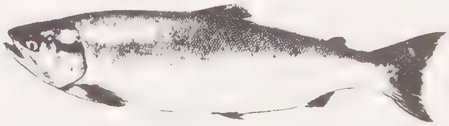
SALMON, CHINOOK OR KING
RANGE - CALIFORNIA TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES, TROLL LINES, REEF NETS



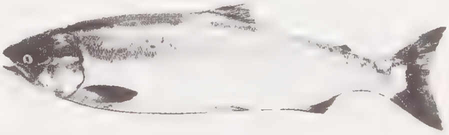
SALMON, CHUM OR KETA
RANGE - OREGON TO ALASKA
GEAR - POUND NETS, PURSE SEINES, GILL NETS, HAUL SEINES, REEF NETS



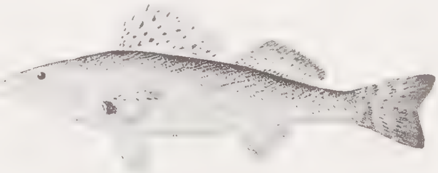
SALMON, PINK
RANGE - WASHINGTON TO ALASKA
GEAR - PURSE SEINES, POUND NETS, GILL NETS REEF NETS



SALMON, RED OR SOCKEYE
RANGE - OREGON TO ALASKA
GEAR - GILL NETS, PURSE SEINES, POUND NETS, REEF NETS

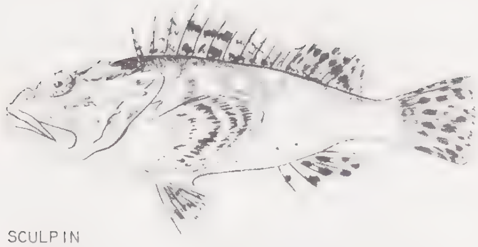


SALMON, SILVER OR COHO
RANGE - CALIFORNIA TO ALASKA
GEAR - HAUL SEINES, PURSE SEINES, GILL NETS, TROLL LINES, POUND NETS, REEF NETS

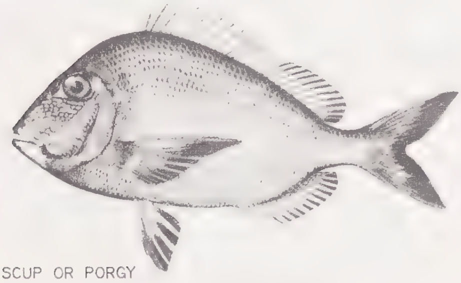


SAUGER
RANGE - GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS, FYKE NETS

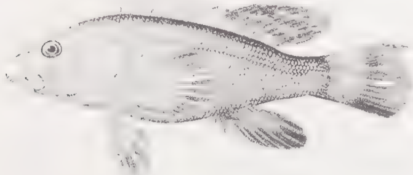
PICTORIAL SECTION



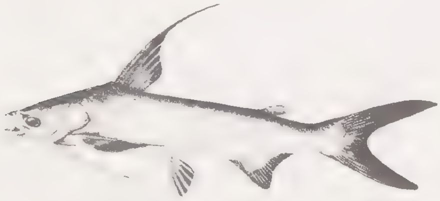
SCULPIN
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - LINES. GILL NETS, POTS



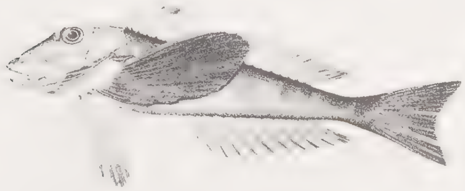
SCUP OR PORGY
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, POUND NETS



SEA BASS
RANGE - FLORIDA TO NEW ENGLAND
GEAR - OTTER TRAWLS, HANDLINES, POTS

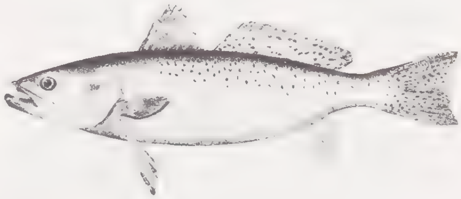


SEA CATFISH
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - OTTER TRAWLS, HAUL SEINES, HANDLINES

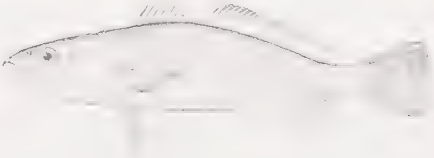


SEA ROBIN
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, OTTER TRAWLS

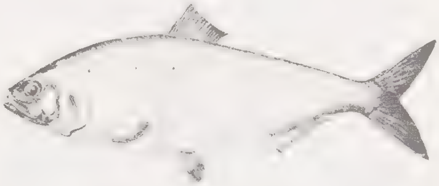
SEA TROUT OR WEAKFISH, GRAY
RANGE - FLORIDA TO MASSACHUSETTS
GEAR - OTTER TRAWLS, POUND NETS, PURSE SEINES,
GILL NETS, HAUL SEINES



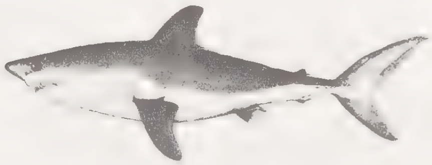
SEA TROUT OR WEAKFISH, SPOTTED
RANGE - MARYLAND TO TEXAS
GEAR - GILL NETS, TRAMMEL NETS, HAUL SEINES,
POUND NETS, OTTER TRAWLS, HANDLINES



SEA TROUT OR WEAKFISH, WHITE
RANGE - GULF OF MEXICO
GEAR - GILL NETS, HAUL SEINES, HANDLINES

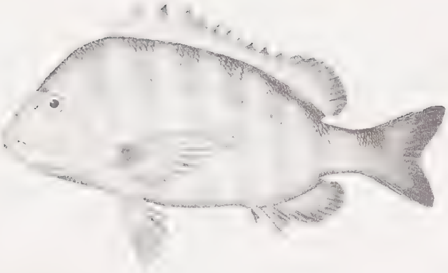


SHAD
RANGE - FLORIDA TO NEW ENGLAND
GEAR - GILL NETS, POUND NETS, FYKE NETS,
HAUL SEINES

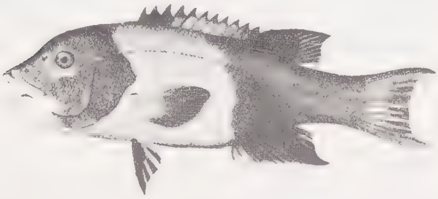


SHARK
RANGE - ATLANTIC COAST, GULF, PACIFIC COAST STATES
GEAR - LONGLINES, GILL NETS, OTTER TRAWLS

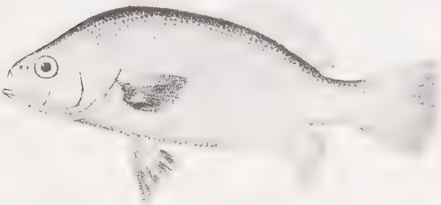
PICTORIAL SECTION



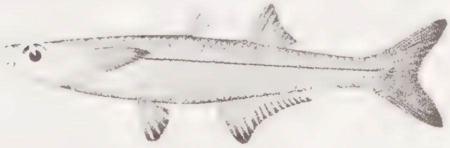
SHEEPSHEAD
RANGE - TEXAS TO CHESAPEAKE BAY
GEAR - HANDLINES, POTS



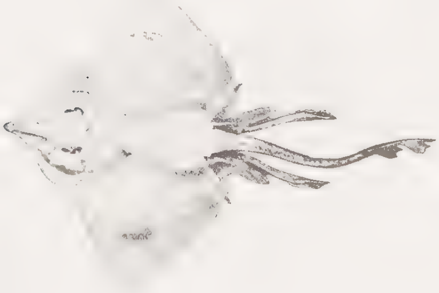
SHEEPSHEAD, CALIFORNIA
RANGE - CALIFORNIA
GEAR - LONGLINES, TRAMMEL NETS



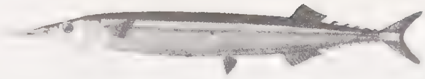
SAND PERCH
RANGE - TEXAS TO NEW YORK
GEAR - HAUL SEINES, GILL NETS, POUND NETS



SILVERSIDES
RANGE - NEW YORK
GEAR - HAUL SEINES, OTTER TRAWLS

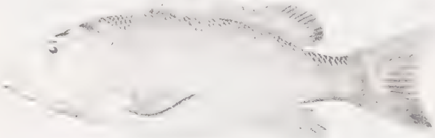


SKATE
RANGE - PACIFIC COAST, CHESAPEAKE BAY TO NEW ENGLAND
GEAR - LINES, OTTER TRAWLS, POUND NETS, HAUL SEINES

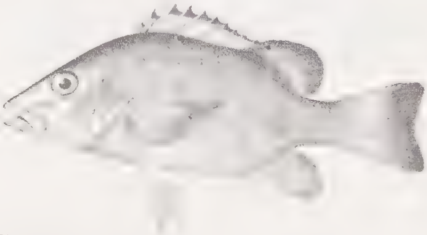


SKIPPER
RANGE - VIRGINIA TO NOVA SCOTIA
GEAR - POUND NETS, WEIRS

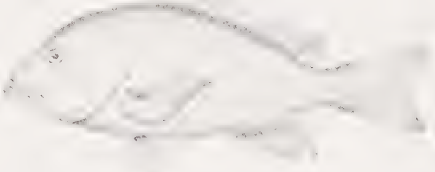
SMELT
RANGE - NEW YORK TO MAINE, PACIFIC OCEAN,
GREAT LAKES
GEAR - POUND NETS, DIP NETS, GILL NETS, HAUL SEINES



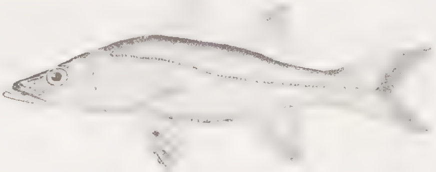
SNAPPER, MANGROVE
RANGE - FLORIDA
GEAR - HANDLINES, GILL NETS



SNAPPER, LANE
RANGE - FLORIDA
GEAR - HANDLINES

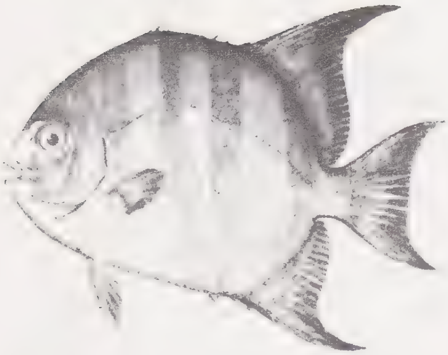


SNAPPER, RED
RANGE - TEXAS TO FLORIDA
GEAR - HANDLINES

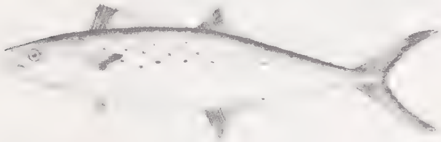


SNOOK
RANGE - TEXAS TO FLORIDA
GEAR - GILL NETS, HANDLINES, HAUL SEINES

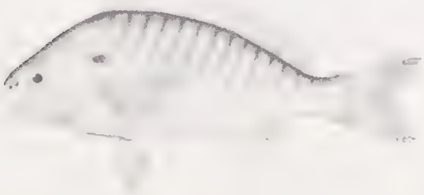
PICTORIAL SECTION



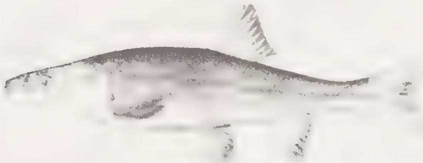
SPADEFISH
RANGE - FLORIDA
GEAR - GILL NETS, TRAMMEL NETS



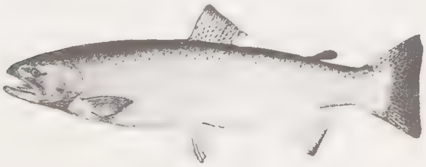
SPANISH MACKEREL
RANGE - TEXAS TO VIRGINIA
GEAR - GILL NETS. LINES, HAUL SEINES



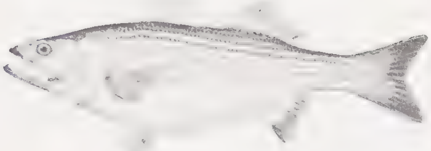
SPOT
RANGE - GULF OF MEXICO TO MIDDLE ATLANTIC STATES
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
OTTER TRAWLS



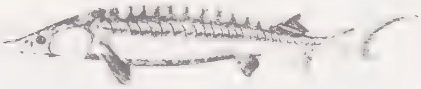
SQUAWFISH
RANGE - CALIFORNIA
GEAR - FYKE NETS, GILL NETS



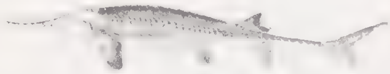
STEELHEAD TROUT
RANGE - OREGON TO ALASKA
GEAR - HAUL SEINES, POUND NETS, GILL NETS,
LINES, DIP NETS



STRIPED BASS
RANGE - NORTH CAROLINA TO NEW ENGLAND, CALIFORNI
TO OREGON
GEAR - HAUL SEINES, GILL NETS, POUND NETS,
HANDLINES, FYKE NETS

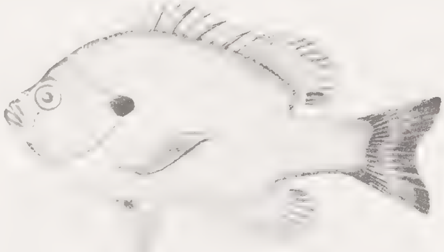


STURGEON
RANGE - COASTAL AND RIVER AREAS
GEAR - GILL NETS, LINES

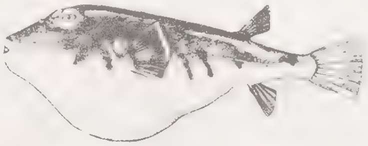


STURGEON, SHOVELNOSE
RANGE - FRESH-WATER
GEAR - HAUL SEINES, LINES, POUND NETS

SUCKER
RANGE - FRESH-WATER
GEAR - POUND NETS, FYKE NETS, GILL NETS,
HAUL SEINES, TRAP NETS

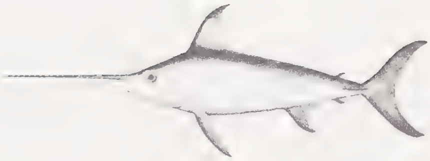


SUNFISH
RANGE - FRESH-WATER
GEAR - POTS, SEINES, TRAP NETS



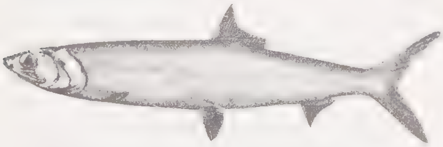
SWELLFISH
RANGE - CHESAPEAKE BAY TO MIDDLE ATLANTIC
GEAR - POUND NETS, HAUL SEINES, OTTER TRAWL

PICTORIAL SECTION

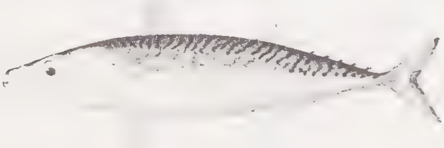


SWORDFISH
RANGE - NEW ENGLAND AND CALIFORNIA
GEAR - HARPOONS

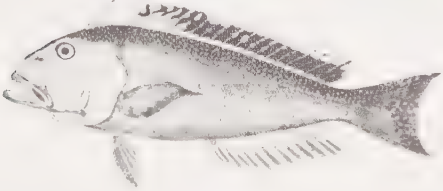
TAUTOG
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, HANDLINES, POTS



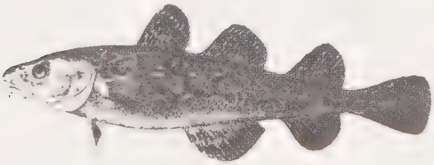
TENPOUNDER
RANGE - FLORIDA
GEAR - HAUL SEINES



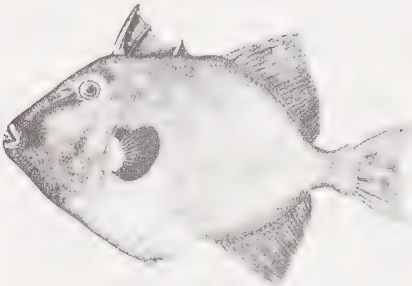
THIMBLE-EYED MACKEREL
RANGE - CHESAPEAKE BAY TO NEW ENGLAND
GEAR - POUND NETS, PURSE SEINES, OTTER TRAWLS



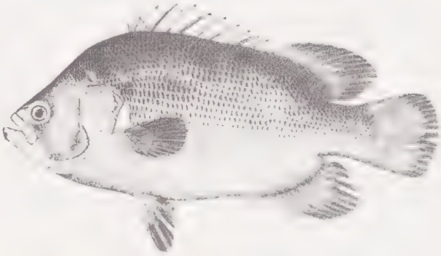
TILEFISH
RANGE - MIDDLE ATLANTIC AND NEW ENGLAND STATES
GEAR - LONGLINES, REEF NETS, OTTER TRAWLS



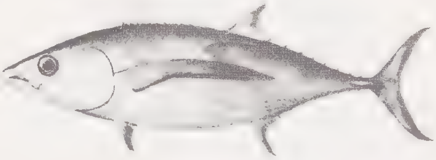
TOMCOD
RANGE - PACIFIC COAST, MIDDLE ATLANTIC AND
NEW ENGLAND STATES
GEAR - OTTER TRAWLS, DIP NETS



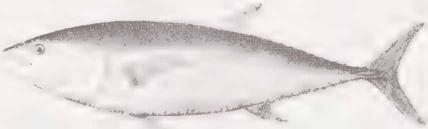
TRIGGERFISH
RANGE - FLORIDA
GEAR - HANDLINES



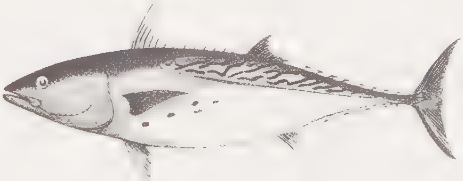
TRIPLETAIL
RANGE - FLORIDA
GEAR - HAUL SEINES, GILL NETS, LINES



TUNA, ALBACORE
RANGE - PACIFIC COAST
GEAR - LINES

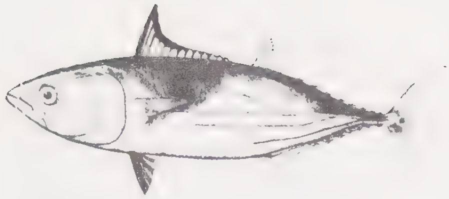


TUNA, BLUEFIN
RANGE - CALIFORNIA, NEW JERSEY TO MAINE
GEAR - PURSE SEINES, LAMPARA NETS, TROLL LINES,
POUND NETS, HARPOONS

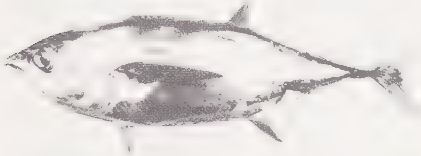


TUNA, LITTLE
RANGE - MASSACHUSETTS TO TEXAS
GEAR - POUND NETS, TROLL LINES, OTTER TRAWLS

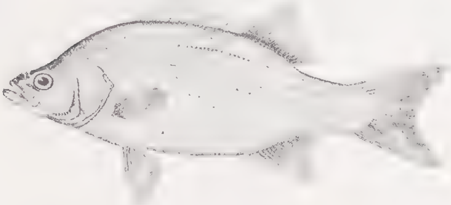
PICTORIAL SECTION



TUNA, SKIPJACK
RANGE - CALIFORNIA
GEAR - LINES AND PURSE SEINES

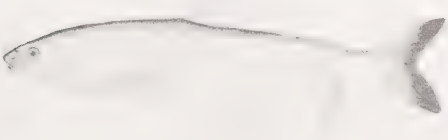


TUNA, YELLOWFIN
RANGE - PACIFIC
GEAR - LINES AND PURSE SEINES

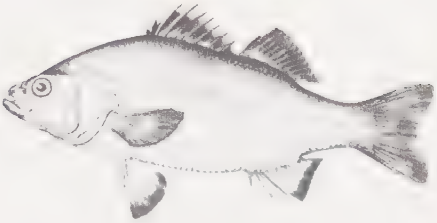


WHITE BASS
RANGE - GREAT LAKES
GEAR - TRAP NETS, FYKE NETS, HAUL SEINES,
POUND NETS

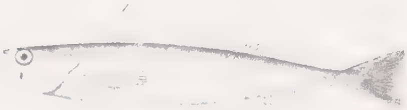
WHITEFISH, COMMON
RANGE - GREAT LAKES
GEAR - GILL NETS, POUND NETS, TRAP NETS



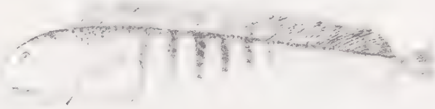
WHITEFISH, MENOMINEE
RANGE - ALASKA, GREAT LAKES
GEAR - GILL NETS, HAUL SEINES, TRAP NETS,
POUND NETS



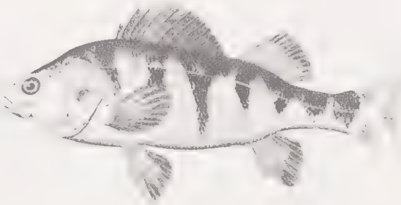
WHITE PERCH
RANGE - NORTH CAROLINA TO MAINE
GEAR - POUND NETS, FYKE NETS, HAUL SEINES



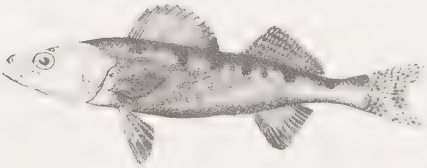
WHITING
RANGE - VIRGINIA TO MAINE
GEAR - OTTER TRAWLS, POUND NETS



WOLFFISH
RANGE - MASSACHUSETTS AND MAINE
GEAR - OTTER TRAWLS, LONGLINES

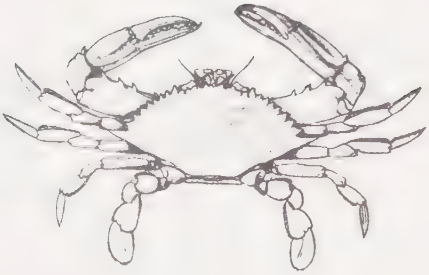


YELLOW PERCH
RANGE - GREAT LAKES, OTHER LAKES
GEAR - GILL NETS, TRAP NETS, POUND NETS,
FYKE NETS

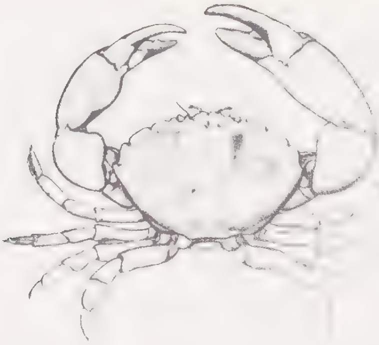


YELLOW PIKE
RANGE - GREAT LAKES
GEAR - POUND NETS, FYKE NETS, GILL NETS,
TRAP NETS

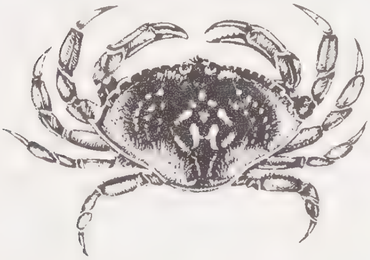
PICTORIAL SECTION



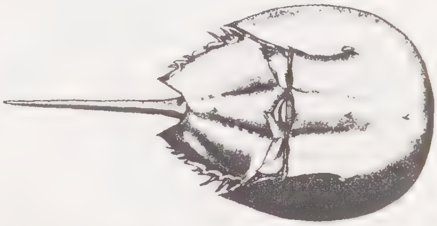
BLUE CRAB
RANGE - TEXAS TO RHODE ISLAND
GEAR - TROTLINES, POTS, FYKE NETS, DIP NETS, SCRAPES, DREDGES



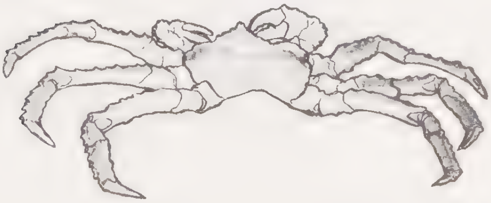
STONE CRAB
RANGE - FLORIDA
GEAR - DIP NETS, CRAB POTS



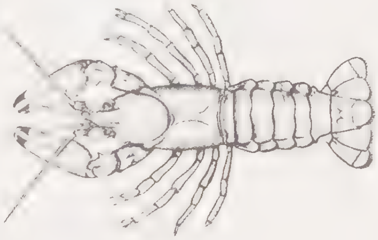
DUNGENESS CRAB
RANGE - PACIFIC COAST STATES AND ALASKA
GEAR - TRAPS



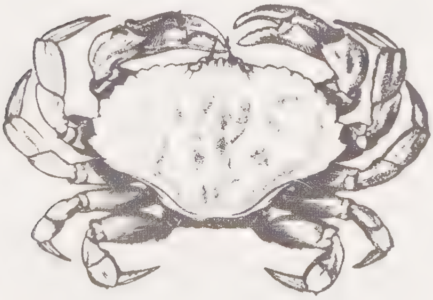
HORSESHOE CRAB
RANGE - MARYLAND TO NEW YORK
GEAR - POUND NETS, WEIRS, BY HAND



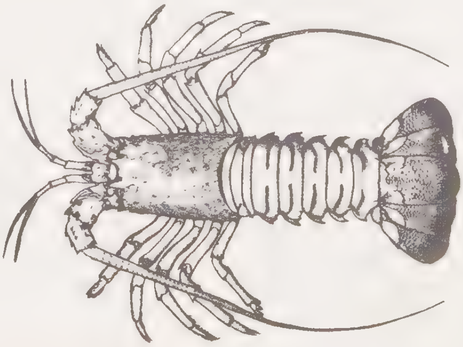
KING CRAB
RANGE - ALASKA
GEAR - POTS



FRESH-WATER CRAWFISH
RANGE - RIVERS AND LAKES
GEAR - POTS

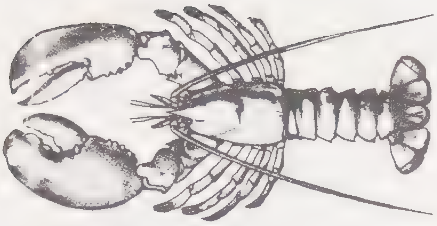


ROCK CRAB
RANGE - NEW ENGLAND
GEAR - POTS

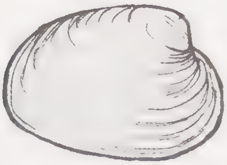


SPINY LOBSTER
RANGE - CALIFORNIA AND FLORIDA
GEAR - DIP NETS, POTS, HOOKS

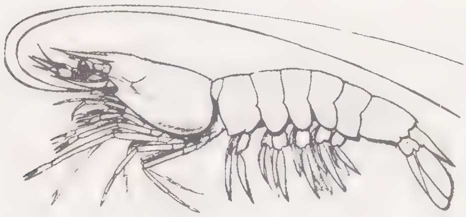
PICTORIAL SECTION



LOBSTER, NORTHERN
RANGE - VIRGINIA TO MAINE
GEAR - POTS, OTTER TRAWLS

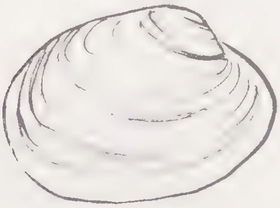


HARD CLAM
RANGE - FLORIDA TO MAINE
GEAR - HOES, DREDGES, TONGS, RAKES, BY HAND

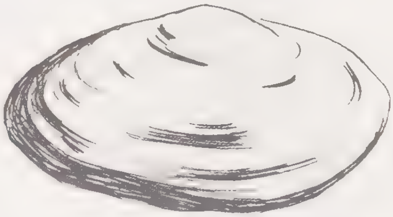


SHRIMP
RANGE - TEXAS TO NORTH CAROLINA, MAINE,
CALIFORNIA, WASHINGTON, AND ALASKA
GEAR - SHRIMP TRAWLS

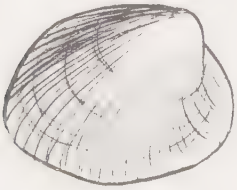
RAZOR CLAM, PACIFIC
RANGE - OREGON, WASHINGTON AND ALASKA
GEAR - SHOVELS



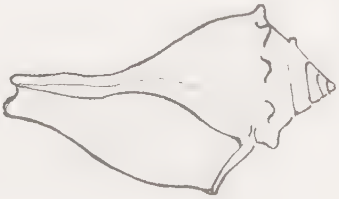
BUTTER CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS



SOFT CLAM
RANGE - MIDDLE ATLANTIC TO NEW ENGLAND,
PACIFIC COAST STATES
GEAR - FORKS, HOES, RAKES, DREDGES

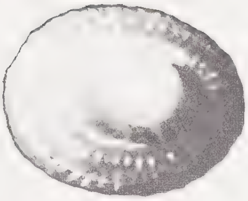


LITTLE NECK CLAM
RANGE - PACIFIC COAST
GEAR - SHOVELS

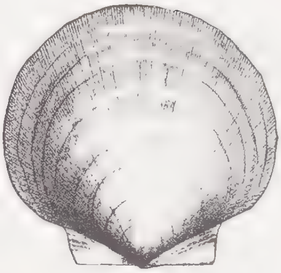


CONCH
RANGE - FLORIDA TO MAINE
GEAR - OTTER TRAWLS, DREDGES, POTS, AND BY HAND

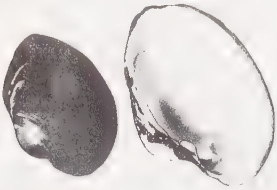
PICTORIAL SECTION



LIMPET
RANGE - NEW YORK AND NEW ENGLAND
GEAR - DREDGES



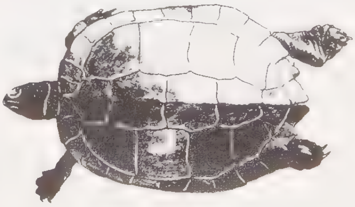
SEA SCALLOP
RANGE - NEW JERSEY TO MAINE
GEAR - DREDGES, OTTER TRAWLS



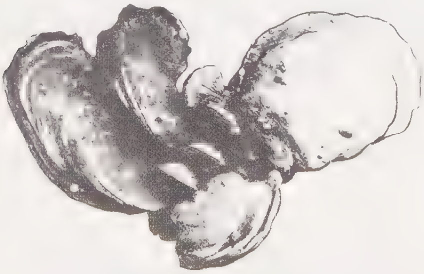
FRESH-WATER MUSSEL
RANGE - FRESH-WATER STREAMS
GEAR - CROWFOOT BARS, PICKS, HAND

STARFISH
RANGE - ATLANTIC AND PACIFIC COAST
GEAR - HOOKS, SCRAPES, "MOPS"

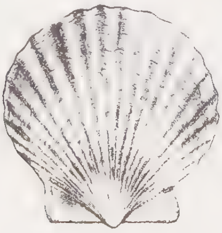
SEA MUSSEL
RANGE - NORTH CAROLINA TO MAINE
GEAR - DREDGES, TONGS, RAKES, HAND



TERRAPIN
RANGE - TEXAS TO NEW JERSEY
GEAR - HAUL SEINES, BY HAND



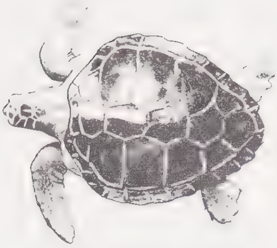
OYSTER
RANGE - TEXAS TO MASSACHUSETTS, PACIFIC COAST
GEAR - TONGS, DREDGES, RAKES, BY HAND



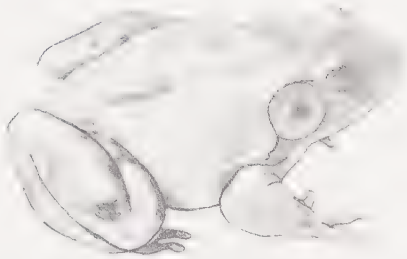
BAY SCALLOP
RANGE - FLORIDA TO MASSACHUSETTS, WASHINGTON
GEAR - DREDGES, SCRAPES, PUSH NETS, TONGS, RAKES, DIP NETS

GREEN TURTLE
RANGE - FLORIDA
GEAR - GILL NETS

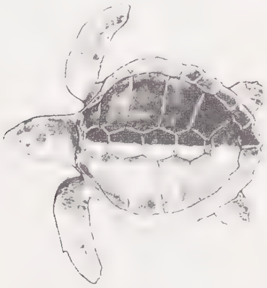
PICTORIAL SECTION



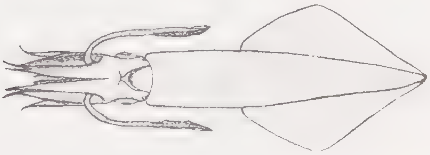
LOGGERHEAD TURTLE
RANGE - FLORIDA TO NEW JERSEY
GEAR - GILL NETS



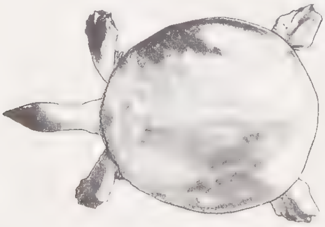
FROG
RANGE - FRESH-WATER, MARSHES, POND
GEAR - SPEARS, GRABS



HAWKSBILL TURTLE
RANGE - GULF OF MEXICO, AND ATLANTIC COAST
TO NEW YORK
GEAR - BY HAND, POUND NETS



SQUID
RANGE - VIRGINIA TO MAINE, CALIFORNIA AND
WASHINGTON
GEAR - LAMPARA NETS, GILL NETS, OTTER TRAWLS,
POUND NETS



SOFT-SHELL TURTLE
RANGE - LAKES AND RIVERS
GEAR - HAUL SEINES, FYKE NETS, POTS

SPONGE
RANGE - FLORIDA
GEAR - HOOKS, DIVING OUTFITS

IRISH MOSS
RANGE - NEW ENGLAND
GEAR - RAKES

SECTION 16 - STATISTICAL PUBLICATIONS

THE FOLLOWING LIST OF PUBLICATIONS INCLUDES ALL REPORTS ISSUED IN THE CURRENT FISHERY STATISTICS (C.F.S.) SERIES DURING 1969.

C.F.S. NO.	TITLE
	NATIONAL:
5000	FISHERIES OF THE UNITED STATES, 1968 (PRELIMINARY REVIEW OF THE STATISTICS ON THE DOMESTIC FISHERIES AND FISHERIES PRODUCT INDUSTRIES)
5134	UNITED STATES FISHERIES, 1967 (SUMMARY OF STATISTICS ON OPERATING UNITS AND LANDINGS)
	REGIONAL:
5015	ALASKA FISHERIES, ANNUAL SUMMARY 1967
4935	CHESAPEAKE FISHERIES, ANNUAL SUMMARY 1967
4971	GREAT LAKES FISHERIES, ANNUAL SUMMARY 1967
5037	GULF FISHERIES, ANNUAL SUMMARY 1967
4857	HAWAII FISHERIES, ANNUAL SUMMARY 1967
4887	MIDDLE ATLANTIC FISHERIES, ANNUAL SUMMARY 1967
5090	MISSISSIPPI RIVER FISHERIES, ANNUAL SUMMARY 1967
4907	NEW ENGLAND FISHERIES, ANNUAL SUMMARY 1967
5082	PACIFIC COAST FISHERIES, ANNUAL SUMMARY 1967
5023	SOUTH ATLANTIC FISHERIES, ANNUAL SUMMARY 1967
	STATE:
	ALABAMA LANDINGS,
4854	JULY 1968
4872	AUGUST 1968
4875	SEPTEMBER 1968
4877	OCTOBER 1968
4897	NOVEMBER 1968
4899	DECEMBER 1968
4927	ANNUAL SUMMARY 1968
4938	JANUARY 1969
4959	FEBRUARY 1969
4990	MARCH 1969
5030	APRIL 1969
5084	MAY 1969
5118	JUNE 1969
5121	JULY 1969
5126	AUGUST 1969
	CALIFORNIA LANDINGS,
4866	AUGUST 1968
4909	SEPTEMBER 1968
4913	OCTOBER 1968
4930	NOVEMBER 1968
4972	DECEMBER 1968
4986	JANUARY 1969
5009	FEBRUARY 1969
5012	MARCH 1969
5022	APRIL 1969
5049	MAY 1969
5089	JUNE 1969
5114	JULY 1969
5136	AUGUST 1969
	FLORIDA LANDINGS,
4861	JUNE 1968
4876	JULY 1968
4902	AUGUST 1968
4911	SEPTEMBER 1968
4924	OCTOBER 1968
4939	NOVEMBER 1968
4954	DECEMBER 1968
4966	ANNUAL SUMMARY 1968
4980	JANUARY 1969
4999	FEBRUARY 1969
5020	MARCH 1969
5041	APRIL 1969
5064	MAY 1969
	GEORGIA LANDINGS,
4848	OCTOBER 1968
4870	NOVEMBER 1968
4888	DECEMBER 1968
4914	ANNUAL SUMMARY 1968
4926	JANUARY 1969
4944	FEBRUARY 1969
4969	MARCH 1969
5001	APRIL 1969
5013	MAY 1969
5033	JUNE 1969
5073	JULY 1969
5102	AUGUST 1969
5112	SEPTEMBER 1969
5137	OCTOBER 1969
	LOUISIANA LANDINGS,
4855	AUGUST 1968
4874	SEPTEMBER 1968
4879	OCTOBER 1968
4881	NOVEMBER 1968
4934	DECEMBER 1968
4988	ANNUAL SUMMARY 1968
5011	JANUARY 1969
5031	FEBRUARY 1969
5044	MARCH 1969
5052	APRIL 1969
5074	MAY 1969
5083	JUNE 1969
5086	JULY 1969
5103	AUGUST 1969
5122	SEPTEMBER 1969
	MAINE LANDINGS,
4844	AUGUST 1968
4859	SEPTEMBER 1968
4878	OCTOBER 1968
4903	NOVEMBER 1968
4928	DECEMBER 1968
4953	ANNUAL SUMMARY 1968
4982	JANUARY 1969
5003	FEBRUARY 1969
5021	MARCH 1969
5057	APRIL 1969
5062	MAY 1969
5072	JUNE 1969
5108	JULY 1969
5129	AUGUST 1969
	MARYLAND LANDINGS,
4846	SEPTEMBER 1968
4884	OCTOBER 1968
4917	NOVEMBER 1968
4932	DECEMBER 1968
4952	ANNUAL SUMMARY 1968
4967	JANUARY 1969
5025	FEBRUARY 1969
5046	MARCH 1969
5065	APRIL 1969
5067	MAY 1969
5076	JUNE 1969
5085	JULY 1969
5110	AUGUST 1969
5133	SEPTEMBER 1969
	MASSACHUSETTS LANDINGS,
4865	JANUARY 1968
4867	FEBRUARY 1968

STATISTICAL PUBLICATIONS

C.F.S. NO.	TITLE
	MASSACHUSETTS LANDINGS (CONTINUED),
4869	MARCH 1968
5035	APRIL 1968
5106	MAY 1968
5123	JUNE 1968
5127	JULY 1968
5128	AUGUST 1968
5131	SEPTEMBER 1968
5135	OCTOBER 1968
5139	NOVEMBER 1968
5141	DECEMBER 1968
	MICHIGAN, OHIO, AND WISCONSIN LANDINGS,
4895	JULY 1968
4898	AUGUST 1968
4901	SEPTEMBER 1968
4906	OCTOBER 1968
4915	NOVEMBER 1968
4920	DECEMBER 1968
4985	ANNUAL SUMMARY 1968
5047	JANUARY 1969
5055	FEBRUARY 1969
5061	MARCH 1969
5078	APRIL 1969
5081	MAY 1969
5104	JUNE 1969
5115	JULY 1969
5116	AUGUST 1969
	MISSISSIPPI LANDINGS,
4845	AUGUST 1968
4871	SEPTEMBER 1968
4883	OCTOBER 1968
4891	NOVEMBER 1968
4921	DECEMBER 1968
4973	ANNUAL SUMMARY 1968
4981	JANUARY 1969
4998	FEBRUARY 1969
5004	MARCH 1969
5029	APRIL 1969
	NEW JERSEY LANDINGS,
4851	OCTOBER 1968
4889	NOVEMBER 1968
4892	DECEMBER 1968
4918	ANNUAL SUMMARY 1968
4923	JANUARY 1969
5026	FEBRUARY 1969
5034	MARCH 1969
5042	APRIL 1969
5060	MAY 1969
5048	JUNE 1969
5097	JULY 1969
5099	AUGUST 1969
5125	SEPTEMBER 1969
5145	OCTOBER 1969
	NEW YORK LANDINGS,
4847	AUGUST 1968
4933	SEPTEMBER 1968
4960	OCTOBER 1968
4963	NOVEMBER 1968
4976	DECEMBER 1968
5002	ANNUAL SUMMARY 1968
5092	JANUARY 1969
5094	FEBRUARY 1969
5096	MARCH 1969
5146	APRIL 1969
	NORTH CAROLINA LANDINGS,
4850	OCTOBER 1968
4886	NOVEMBER 1968
4893	DECEMBER 1968
4922	ANNUAL SUMMARY 1968
4942	JANUARY 1969
4958	FEBRUARY 1969
4977	MARCH 1969
4996	APRIL 1969
5018	MAY 1969
5036	JUNE 1969

C.F.S. NO.	TITLE
5071	JULY 1969
5101	AUGUST 1969
5113	SEPTEMBER 1969
5138	OCTOBER 1969
	OREGON LANDINGS,
4843	ANNUAL SUMMARY 1967
	RHODE ISLAND LANDINGS,
4849	AUGUST 1968
4868	SEPTEMBER 1968
4890	OCTOBER 1968
4912	NOVEMBER 1968
4931	DECEMBER 1968
4983	ANNUAL SUMMARY 1968
4992	JANUARY 1969
5006	FEBRUARY 1969
5008	MARCH 1969
5051	APRIL 1969
5068	MAY 1969
5095	JUNE 1969
5109	JULY 1969
5130	AUGUST 1969
	SOUTH CAROLINA LANDINGS,
4856	OCTOBER 1968
4894	NOVEMBER 1968
4900	DECEMBER 1968
4948	ANNUAL SUMMARY 1968
4955	JANUARY 1969
4965	FEBRUARY 1969
4974	MARCH 1969
4995	APRIL 1969
5014	MAY 1969
5045	JUNE 1969
5069	JULY 1969
5091	AUGUST 1969
5117	SEPTEMBER 1969
5143	OCTOBER 1969
	TEXAS LANDINGS,
4841	SEPTEMBER 1968
4858	OCTOBER 1968
4882	NOVEMBER 1968
4905	DECEMBER 1968
4962	ANNUAL SUMMARY 1968
4979	JANUARY 1969
4989	FEBRUARY 1969
5016	MARCH 1969
5028	APRIL 1969
5039	MAY 1969
5070	JUNE 1969
5077	JULY 1969
5093	AUGUST 1969
5144	SEPTEMBER 1969
	VIRGINIA LANDINGS,
4864	OCTOBER 1968
4880	NOVEMBER 1968
4904	DECEMBER 1968
4929	ANNUAL SUMMARY 1968
4943	JANUARY 1969
4984	FEBRUARY 1969
5027	MARCH 1969
5050	APRIL 1969
5075	MAY 1969
5098	JUNE 1969
5111	JULY 1969
5124	AUGUST 1969
	WASHINGTON LANDINGS,
4842	ANNUAL SUMMARY 1967
	SPECIES:
	GULF COAST SHRIMP DATA,
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